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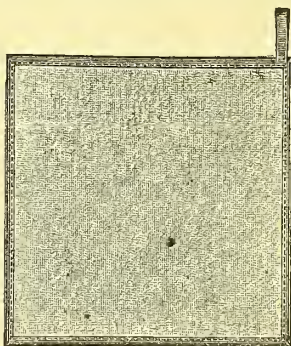
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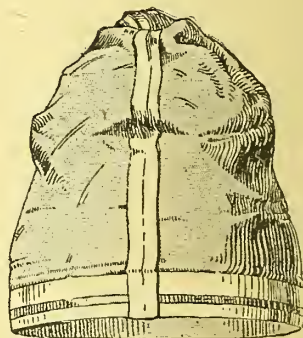
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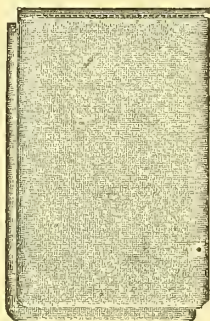
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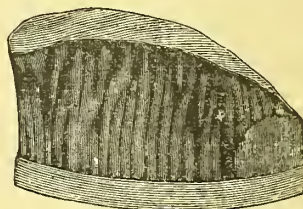
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INDEX TO ADVERTISERS

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Alza Manfg. Co. (Vanishing Cream)	28	Cartwright, W. B., Ltd. (Health Salts)	9	Food Products, Ltd. (Bovo Lactin)	45
Arnott, J., & Sons, Ltd. (Oils)	xxiii	Cellophane Co. (Wrapping Material)	54	Forbest, Ltd. (Developing)	52
Ashton & Parsons, Ltd. (Phosferine)	xxvii	Chlorophyl and Chemical Corporation, Ltd. (Phyllosan)	xv	Ford, T. H., Ltd. (First-Aid Cases)	40
Association of Manfg. Chemists, Ltd. Col. Supp.		Christy, T., & Co. (Pyshan Points Tea, &c.)	52	Ford, Shapland & Co., Ltd. (Printing)	41
Astor, Boisselier & Lawrance (Licorice Juice)	53	Coate & Co. (Axminster), Ltd. (Tooth-brushes)	28	Fox, Francis F., & Co. (Oils)	xxi
Attwood, E. H. J. (Brushes)	32	Condy & Mitchell, Ltd. (Condy's Fluid)	i	Franks, A. (Gillette Blades, &c.)	52
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists)	15	Cooper Laboratory (Tablets)	x	Fuller, R. L., & Co., Ltd. (Quinine Salts)	ix
Baiss Bros. & Co., Ltd. (Salines, &c.)	14	Cossor, A. C., & Son (Clinicals)	36	Galloway, P. H., Ltd. (Cough Syrup)	xviii
Bandoeng Quinine Factories	xii	Cox, Arthur H., & Co., Ltd. (Pyorrhœa Paste)	Cover	Gardiner & Co. (The Scotch House), Ltd. (Overalls)	40
Bates, F. W. (Toilet Preps.)	52	Cuff, J. H., & Sons (Fly Oil)	xxiv	Garfield Tea Co.	xvi
Battin, H., & Co., Ltd. (Camomile Flowers, &c.)	vii	Damancy & Co. (Digentenzymes Tablets, &c.)	viii	George, E. J. (Valuers, &c.)	Col. Supp.
Battle, Son & Maltby (Vermin Killer)	xxiv	Dearborn (1923), Ltd. (Toilet Specialities)	26	Gibbins, R., & Co. (Tablets)	xi
Beecham, Thomas (Pills)	xix	Dee Oil Co., Ltd. (Petroleum Jelly)	xxii	Gledhill, G. H., & Sons, Ltd. (Cash Tills)	49
Bengue, Dr., & Co.	xvi	Demuth's, R., Laboratories (Frozoneclone, &c.)	22	Gough, Kidston & Co. (Petro. Jelly)	xxiii
Bennett, Sons & Shears, Ltd. (Machinery)	48	Denoual, Jules, & Co. (Lozenges, &c.)	xi	Gower, J. (Books)	Col. Supp.
Berdee & Fish (Valuers, &c.)	Col. Supp.	Dickeson, R., & Co. (Besorbon)	xix	Graesser-Monsanto Chemical Works, Ltd. (Vanillin, &c.)	Cover
Berkshire Printing Co., Ltd. (Bags, Cartons, &c.)	50	Direct Medico Supply Co., Ltd. (Druggists' Sundries)	38	Grafton Chem. Co., Ltd. (Westons Stop Cough)	xvi
Berton, Arthur, Ltd. (Surgical Dressings)	37	Dodge & Olcott Co. (Essential Oils)	29	Graville & Co. (Couleur de Rose)	25
Blick Time Recorders, Ltd.	51	Dowell, J., & Sons, Ltd. (Miniature Feeding Bottles)	36	Grimes & Co. (Rubber Eye Baths)	32
Boehm, Fredk., Ltd. (Cod Liver Oil)	44	Duncan, Flockhart & Co. (Hay Fever Vaccines)	vi	Grout & Co., Ltd. (Norvic Crêpe Bandage)	37
Bond, J. (London), Ltd. (Marking Ink)	54	Eastern & Russian Trading Co., Ltd. (Santonin, &c.)	xii	Hall, Forster & Co., Ltd. (Vapourisers)	39
Boots Pure Drug Co., Ltd. (Chemicals, Insulin, &c.)	v-xxiii	Edwards, Wm., & Sons (Embrocation)	35	Haller & Phillips, Ltd. (Glycerine)	viii
Borax Consolidated, Ltd. (Borax)	iv	Ellams & Co. (Labels)	52	Hampshire, F. W., & Co., Ltd. (Wasp-Fly Card)	xxv
Bristow, T. F., & Co., Ltd. (Toilet Preps.)	23	Enolin, Ltd. (Tooth Paste)	29	Hansens Laboratory, Ltd. (Pistany Mud)	29
British Drug Houses, Ltd. (Carlsbad Salt)	56	Essences & Synthetics, Ltd. (Ess. Oils)	18	Harkness, Beaumont & Co. ("Vapoform" Disinfectant)	vi
Britton, Malcolm & Waymark, Ltd. (Syringes)	38	Evans, Adlard & Co., Ltd. (Filter Papers)	48	Harley, T. (Rat Poison)	xxv
Brown & Son (Stillis)	48	Evans, Gadd & Co., Ltd. (Packed Drugs)	x	Harrington Bros., Ltd. (Chemicals)	i
Buckton, G., & Sons, Ltd. (Oils, &c.)	iv	Evans Sons Lescher & Webb, Ltd. (Insulin)	13	Harrison, A., & Sons (Printing)	41
Burge, Warren & Ridgley, Ltd. (Enemas, &c.)	33	Evan-Williams Co., Ltd. (Henna-Shampoos)	52	Haskins (Shopfittings)	49
Burkett, Sharp & Co., Ltd. (Chemicals)	iv	Fairy Dyes, Ltd. (Home Dyes)	51	Haynes, G., & Co. (Surgical Dressings)	39
Burrough, J., Ltd. (Absolute Alcohol)	Text	Fassett & Johnson (Whirling Sprays)	57	Henry, A. C. (Chemicals)	vii
Burroughs Wellcome & Co. (British Empire Exhibition)	55	Featherstone Hammond Partners, Ltd. (Contraluesin)	xx	Henry, T. & W. (Calcined Magnesia)	xix
Bush, W. J., & Co., Ltd. (Fine Chemicals, &c.)	Cover	Ferris & Co., Ltd. (Nigroids)	xviii	Hertz & Co. (Liquid Paraffin)	xxii
Butler & Crispe (Bathing Caps, &c.)	4	Field, C. W., Ltd. (Saponine Powder, &c.)	vi	Hind & Lund, Ltd. (Machinery)	48
C. & H. Service (Developing, &c.)	41	Fink, F., & Co. (Gums)	52	Hollandsche Melksuikfabriek	x
Cadbury Bros. (Cocoa)	Cover			Hooper & Co. (Chemists' Sundries)	xviii
Camwal, Ltd. (Mineral & Aerated Waters)	47			Hopkin & Williams, Ltd. (Chemicals)	viii
				Howards & Sons, Ltd. (Menthol Synthetic)	Cover
				Howarth's (Blattis Cockroach Paste)	52
				Hubbuck, T., & Son, Ltd. (Oxide of Zinc)	ix
				Iglodine Co., Ltd. (Iglodine)	xx

[Continued overleaf.]

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INDEX—cont.

Jackel et Cie (of Paris), Ld. (Hair Cream)	19	Phillips, Chas. H., Chemical Co. (Milk of Magnesia, &c.)	Cover	Stonehouse Bros. (Flycatchers)	xxiv
Jackson, E., & Co., Ld. (Fruit Pastilles)	xi	Piver, L. T. (Perfumery)	24	Stnbs, H. H. (Cloth Ball)	40
Johnson & Sons (Mfg. Chts.), Ld. (Chemicals)	iii	Potter & Clarke, Ld. (Asthma Cure, &c.)	xvii	Stnbs, W. B., & Son (Delivery Trucks)	53
Josephs, Philip & Sons, Ld. 49-Col. Supp. Kerfoot, T., & Co., Ld. (Castols) ..	17	Poyser, F. (Valuer, &c.)	Col. Supp.	Surgical Hosiery Co., Ld. (Seamless Hosiery)	39
Koh-i-Noor Tooth Brushes	Cover	Prices Soap Co., Ld. (Lavender Soap)	28	Suttley & Silverlock, Ld. (Bottle Wrappers, &c.)	xxviii
Lamberts (Dalston), Ld.	34	Provincial Exhibitions, Ld. (Manchester Exhibition)	2	Swales, Thomas (Feeding Bottles) ..	32
Lancaster, J., & Son, Ld. (Cameras) ..	52	Pure Russian Liquid Paraffin Co., Ld.	xxiv	Taylor, Edward, Ld. (Porous Plasters) ..	35
Lands, Ld. (Health Salt)	42	Redgrave, Butler & Co. (Liquid Paraffin, &c.)	xxi	Thomas Bros. & Co. (Ess. Oils, &c.) ..	18
Lang, Jules & Son (Glassware)	14	Reliance Rubber Co. (Feeding Bottle Teat)	39	Thompson & Capper, Ld. (Cornol)	34
Laporte, B., Ld. (Chemicals)	ii	Reynolds & Branson, Ld.	Text	Tolkien, C., & Co. (Malt Extract, &c.) ..	44
Leath & Ross (Homeopathic Medicines)	xiv	Riffin, A. J., Ld. (Drugs)	viii	Townsend, J., & Sons (Stock Labels) ..	53
Lennon, Ld. (Drugs)	xii	Roberts' Patent Filling Machine Co. ..	48	Transcontinental Agencies, Ld.	46
Lewis, H. K., & Co., Ld. (Books)	xxvi	Robinson & Sons, Ld. (Boxes)	Text	Trnfood, Ld. (Foods)	45
Litto Laboratories (Hair Preparation) ..	19	Robinson, B., & Co., Ld. (Wines) ..	46	Unbridge & Wright (Flycatchers)	xxiv
Lofthouse & Saltmer, Ld. (Losalls Salt)	46	Ronsheim & Moore (Chemicals, &c.) ..	iv	Van Der Hoeks (Bottles)	47
Lysol, Ld. (Insect Powder)	30	Rose, J. L. (Pyrogallie Acid)	viii	Venesta, Ld. (Collapsible Tubes)	50
McGlashan, D., Ld. (Abdine)	xxvii	Rudduck & Co. (Shopfittings)	Col. Supp.	Viscoe Development Co., Ld. (Bottle Cappings)	42
Macfarlan, J. F., & Co. (Opoidine)	Cover	Sangers (1924 Catalogue)	3	Waide, Thos., & Sons, Ld. (Printers, &c.)	10
Marsden, Chas. C. (Valuer, &c.)	Col. Supp.	Scruton, Oscar, & Co. (Nurse Harvey's Mixture)	47	Wanace Heaton, Ld. (Enlarging, &c.)	41
Matthews & Wilson, Ld. (Face Powders)	xi	Scurr, C. A. (Optical Tuition)	xxvi	Wampole, H. K., & Co., Ld. (Pharm. Products)	xvi
Matthews, D., & Son	Col. Supp.	Sessions, W. H. (Cork Top Seals) ..	42	Wards (Gillette Razors)	26
Maund, F. (Glass Counters)	49	Shadeine Co. (Hair Dyes)	52	Warrington Chem. & Drug Co.	17
Maw, S., Son & Sons, Ld.	11	Sherley, A. F., & Co., Ld. (Dog Medicines)	xxv	Washington Chemical Co., Ld. (Magnesia)	viii
Meade-King, Robinson & Co., Ld. (Petroleum Jelly, &c.)	xxii	Shoppee, A. C., Ld. (Personal Weighing Machines)	40	Watts, J. (Safety Razor Blades)	26
Millar, A., & Co., Ld. (Orange Wine) ..	47	Sim, Ld. (Amponle Files)	xii	Westminster College of Pharmacy ..	xxvi
Mills, A. J., & Co., Ld. (Honey)	44	Simond, S. D., & Co., Ld. (Tapon) ..	47	Whitaker & Co. (Hat Dyes, Household Dyes)	8
Milton Proprietary, Ld. (Milton)	12	Simple Soother	36	White, R. F., & Co., Ld. (Toilet Soap) ..	26
National Cash Register Co., Ld.	7-47	Slack, A. Bernard	Col. Supp.	Wilcox, Jozeau & Co.	Text
National Drug & Chemical Union	Col. Supp.	Smith & Co. (Fly Catcher)	xxv	Wilkinson & Simpson, Ld. (Health Salt)	14
Natural Food Co., Ld. (Foods)	46	Smith, J. (Chemists), Ld. (Salzium) ..	27	Wilkinson, J. F. (Labels, &c.) ..	6
Nildé (Paris) Agency, Ld. (Toilet Preps.)	20-21	Smith, Martin H., Co. (Ergoapiol) ..	xviii	Williams, P. J. (Irvona)	44
Oldfield, Pattinson & Co. (Pharm. Preps.)	5	Smith, T. & H., Ld. (Chemicals) ..	ii	Willows, Francis, Butler & Thompson, Ld. (Drug Grinders, Disinfectants, Foods)	vi
Oldham, J. V. (Wines)	46	Soc. Voor Chemische Industrie (Theobromine, &c.)	xii	Winchester Manfg. Co. (Teats, Valves, &c.)	52
Orridge & Co. (Valuers, &c.)	Col. Supp.	Sorbo Rubber Sponge Products, Ld. ..	32	Winter, E., & Co., Ld. (Gold and Silver Leaf)	52
Osborne Garrett Co., Ld. (Gillette Razors)	31	Spatula Publishing Co. (Books)	52	Wood Bros. Glass Co., Ld. (Bottles) ..	43
Owtazin Co. (Flasks)	52	Speer, W. R., & Son (Toothbrushes) ..	28	Wood, Vincent ("Eureka" Bandages) ..	39
P.A.T.A.	xx	Spurway et Cie, Ld. (Ean de Cologne, &c.)	19	Youldon, F. (Bottles)	42
Page, Chas., & Co., Ld. (Chemicals) ..	vii	Squire & Sons, Ld. (Books, &c.)	xxvi	Zeals Asthma Fluid & Atomizer Co. Ld.	40
Pazo Co. (Pill Boxes)	53	Stearns, F., & Co. (Manfg. Chemists) ..	xx	Zimmermann, A. & M., Ld. (Chemicals)	Text
Perken, Son & Co., Ld. (Clinical Thermometers)	39	Sterns, Ld. (Oils, Petroleum, &c.) ..	xxi		
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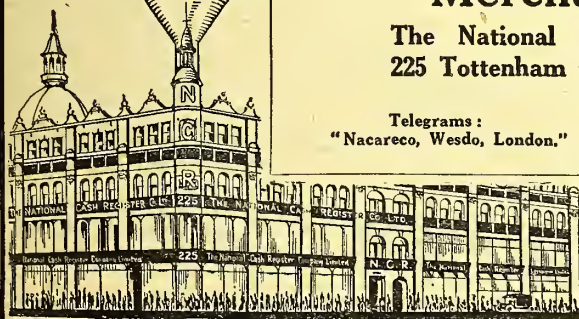
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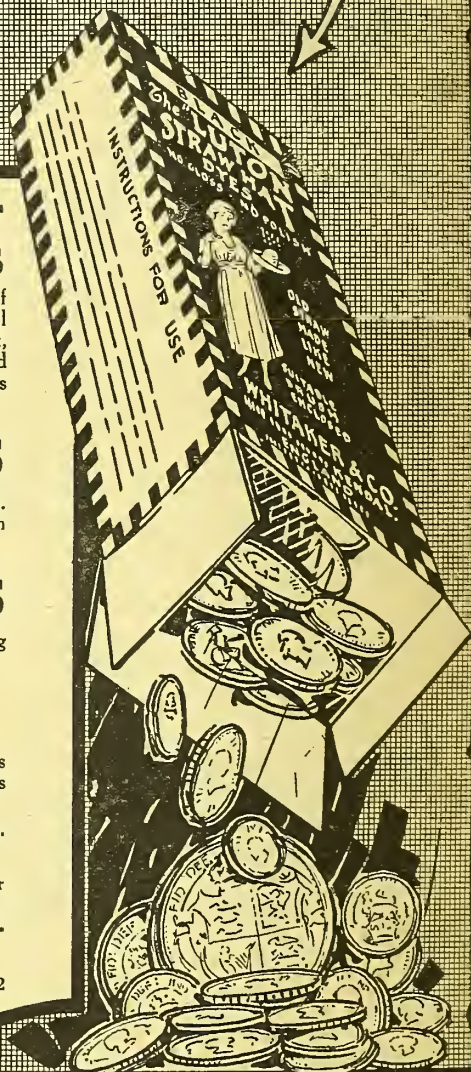
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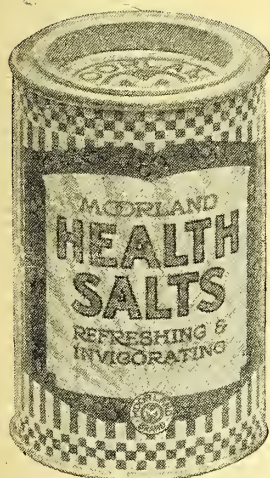
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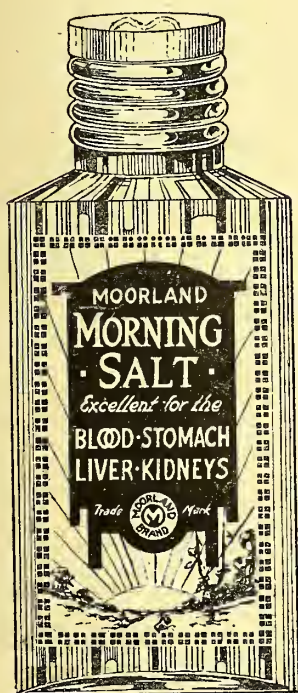


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Maw's Page



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While you are displaying dressings, display those in which you have complete confidence—Maw's Dressings. Maw's Dressings, in the blue packet with the yellow label, have a reputation of long standing for fine quality and careful wrapping that extends to all parts of the world. You can feel that their quality and value will reflect favourably upon your business, and the credit of selling a good article is long-lived and far-reaching.

Remember, also, that our Dressings Bonus Scheme will have very tangible results for you if you have a successful year in Maw's Dressings.

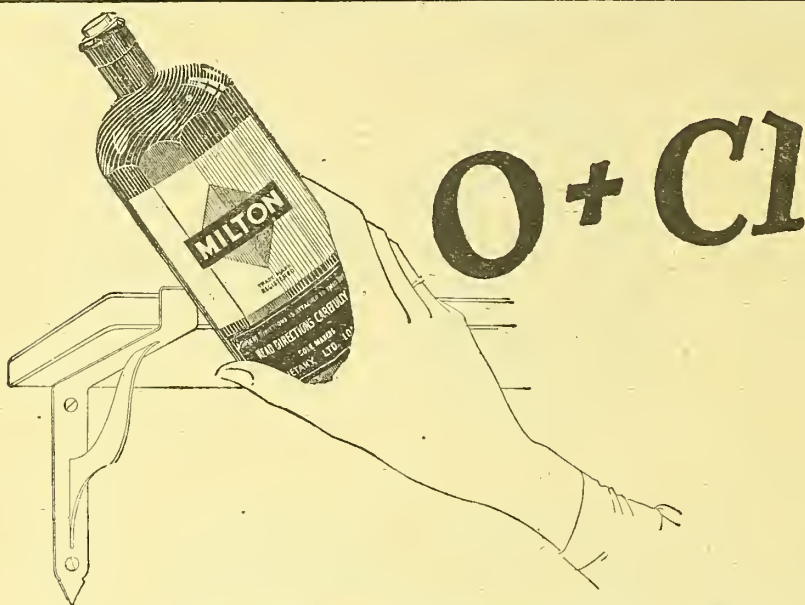
S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

Telephone:
City 7
Private
Branch
Exchange

Telegrams:
Eleven
Cent
London



Cables: Code:
Eleven A.B.C.
London 4th & 5th
 Edition



Oxygen and Chlorine—two of Nature's most powerful cleansing, soothing and healing forces—are combined and stabilised in Milton, in unique form. A triumph of British Chemistry. Safe in every way to use—useful in 101 ways!

This significant pronouncement was made in its report by a Laboratory of the highest international reputation: "the active chlorine in Milton is in a decidedly different combination than in the ordinary hypochlorite solution. We have had an extended experience with hypochlorite solutions, and we firmly believe that Milton is a decidedly novel preparation of unusual value." We gladly supply copies of this report to anyone so interested.

At this season: For bites and stings, for skin troubles, for nettlerash, for bad smells, for Hay Fever, for sunburn, for the safety of food—there's nothing else you can recommend that will certainly guarantee you satisfied customers.

And Milton advertising is bringing more Milton business every day. Are you getting your share? Why not display the goods?

AT WEMBLEY

Have you seen Milton there? There are more than 600 signs announcing to the public that Milton has been adopted by the Exhibition Authorities for daily use throughout the Exhibition. There are over 100 uniformed employees Miltonising every building daily. The public like and appreciate it. Remind them—display it!



MILTON PROPRIETARY LIMITED
125 Bunhill Row, London, E.C.1
Telephone: Clerkenwell 3860
Telegrams: "Ocnolim, Barb., London."

INSULIN

(EVANS')

THE ideal Insulin is one which excludes the many proteins which are known to be present in the Pancreas Gland. This ideal is exhibited to a remarkable degree in Insulin (Evans'), which is a highly purified, active, relatively non-toxic, and practically water-white product. The satisfaction it is giving in the many hospitals where it is now being used is further evidence of its purity and quality.

PRICES:

5 c.c. Rubber-capped bottles - - - - **4/8** each
(containing 100 units (10 doses)).

10 c.c. Ditto - - - - **9/4** „

NEATLY BOXED WITH FULL DIRECTIONS

Distributor's Discount 20%.

Literature on application

BLOOD SUGAR ESTIMATIONS

Our outfit, which we will be pleased to supply without charge, enables the busy practitioner with a few simple manipulations, occupying only a few moments, to prepare a sample of blood for despatch to our laboratory. On receipt the specimens are tested and reported on promptly. The fee for the test is 10/6.

EVANS

EVANS SONS LESCHER & WEBB, LTD.
LIVERPOOL New York LONDON

THE FINEST HEALTH SALT

ON THE MARKET

AT A GENUINE WHOLESALE PRICE

WE SPECIALISE IN HEALTH SALT.

EVERY CUSTOMER WHO BOUGHT FROM US, LAST SEASON, HAS REPEATED!

The ingredients are of the finest quality and perfectly dried.

Does not Cake.

Retains its power of effervescence indefinitely.

4/-

PER DOZ.
IN
GROSS LOTS.
CARRIAGE PAID.
Free Cases.

N.B. — Judge for yourself! Entirely at our expense we will send, post-free, a full-size sample tin.

If you prefer Liver Salt we can offer another line at the same price.

LANDS LTD.,

Manufacturing
Chemists,

Coalville, nr. Leicester



BAISS BROTHERS & Co. Ltd.

Established 1833

GRANGE WORKS, LONDON, S.E.1

Wholesale and Export Druggists, Manufacturing
Chemists and Druggists' Sundriesmen.

Telephone: HOP. 4362 (3 lines).

Telegrams: "Ipecac. London."

**THIS IS YOUR OPPORTUNITY
DON'T MISS IT!**

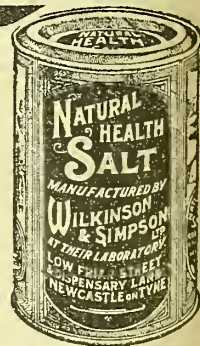
Fix your Contracts now for SALINES, HEALTH
SALTS, CARLSBAD and all EFFERVESCENT
PREPARATIONS to meet the SEASON'S
DEMANDS.

We are Specialists in these lines.

LET US HAVE YOUR ENQUIRIES.

DELIVERIES BY OWN MOTOR SERVICE IN THE
HOME COUNTIES, INCLUDING COAST TOWNS.

A good line
which should be
very prominent
in your displays
this month



Because it has been famous for many years
as the Natural Way to Health, and is
in great demand as a blood-purifier and
effervescent thirst-quencher.

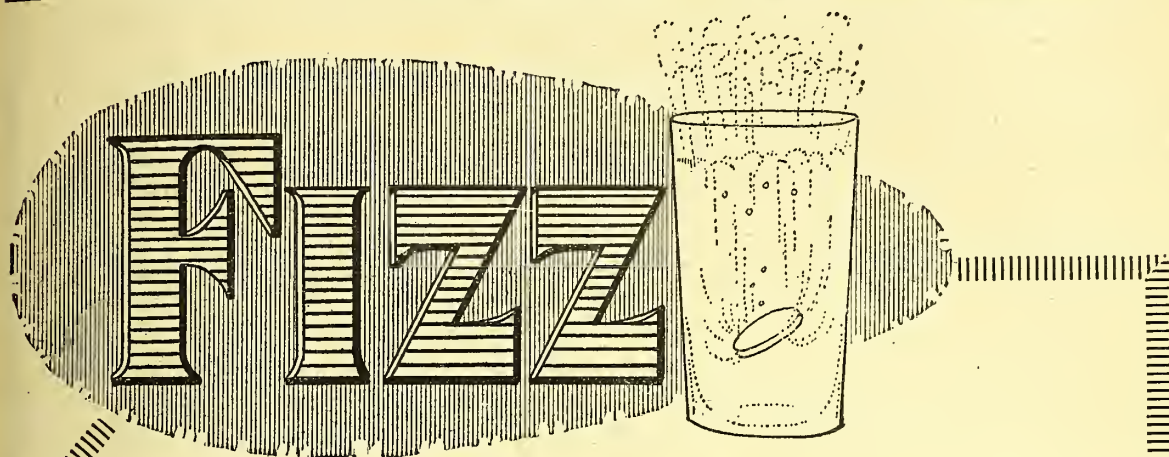
RIGHT for quality—price—and profit.

NATURAL

HEALTH SALT

The Original Health Salt of the World.

If you are not already stocking "Natural"—write to
WILKINSON & SIMPSON, LTD. - Newcastle-on-Tyne.



AYRTON'S
EFFERVESCENT
LEMONADE
TABLETS

for

**PICNICS
PARTIES
TENNIS**

**OUTINGS
BOATING
CRICKET**

and all Summer occasions

P.A.T.A. 6½d. per tin

54/- gross

With 1 dozen bonus added to
each order for one gross.

*UNIQUE DISPLAY MATTER AVAILABLE AND
LIBERAL COUNTER BILLS WITH EVERY ORDER*

VALUE TO THE PUBLIC AND PROFIT TO THE SELLER. A single tablet dropped into a glass of water makes a delightful effervescent drink, already sweetened. Its use is simplicity itself, and the cost is practically 1d. per glass. The handy little tin goes snugly into the bag or pocket. To the Chemist buying a gross with the bonus dozen the return on outlay is 56½%.

**THINK IT OVER—AND YOU WILL SEND IN YOUR ORDER—
THEN THE REPEATS WILL COME RIGHT THROUGH THE SUMMER**

Note our Telegraph Address—
You'll probably need it :—
"SUNDRIES, LIVERPOOL."

AYRTON, SAUNDERS & CO., LTD.
Hanover Street - - LIVERPOOL



THE ANNUAL SPECIAL ISSUE



The advertisement section closes for press on
SATURDAY, JUNE 21

As we go to press with this issue (Thursday, June 5) there are still open a few

- (1) *Two-colour pages on buff art paper printed in red and green.*
- (2) *Half-pages, Quarter-pages, and Full-pages in ordinary positions.*

In order to secure this remaining space prompt application must be made to

THE PUBLISHER

THE CHEMIST AND DRUGGIST

42 CANNON STREET - - - LONDON, E.C.4

Telephone :
CENTRAL 3617
(3 lines).



Telegrams :
"CHEMICUS,
CANNON, LONDON."



NO Pharmacist can
afford to run out of

Castols

the "Nice as Chocolate" substitute for Castor Oil which has created a progressive all-the-year-round demand.

Castols are distinctive and there are no close imitations in stock at the grocery stores. Their efficacy is vouched for by sixteen years of growing popularity.

Q Above is little Bobbie Castol, the mascot with the smile, who is a well known feature of Castols publicity.

A/330

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797

F. PEDONE LAURIEL & FIGLIO

SPECIALISTS IN

LICORICE — MANNA

OILS OF

BERGAMOT

LEMON ORANGE

ETC.

— 100% POSITIVE PURITY GUARANTEED —

ALL CORRESPONDENCE TO

THOMAS BROTHERS & COMPANY

LOW
PRICES

Syntholeum
London

90 CHARLOTTE STREET,
LONDON, W.1.

Museum
4670

LARGE
STOCKS

ESSENCES & SYNTHETICS, LTD.

4 Carlisle Avenue, Fenchurch Street

Telegrams :
"ESSYNTHET, LONDON."

LONDON, E.C.3

Telephone :
AVENUE 1419.

WILLIAM C. SLATER, Managing Director.

Oil Sweet Orange, Californian

ESSYNTHET BRAND

We are the SOLE European Importers of this Brand

We shall be pleased to send samples.

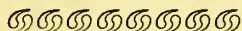
"Jackel's Cream"

(without Grease)
for THE HAIR

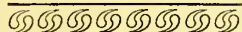
Sold Everywhere
Established 1883.



CRYSTALLISED
7 oz. CREAM 10 oz.
Trade Mark attached to each
bottle.



"Jackel's Cream"
fixes the hair in any de-
sired position; is un-
excelled as a dressing
and does not soil the
headwear. It removes
Scurf and Dandruff,
keeps the scalp healthy,
and promotes the natu-
ral growth of the hair
while maintaining its
softness and brilliancy.



Prices for Wholesale and Export
Houses on application.

Jackel et Cie (of Paris)
Ltd.

Sauchiehall Street,
GLASGOW.

Keep
LITTO
REGD.
to the fore
— it pays

Our tradeterms are exceptionally attractive
—all "LITTO" preparations show you
100% profit.

—it pleases

because it carries out the claims made
for it, and, therefore, brings your
customers back again.

—it sells

because we are advertising it and making
its merits known to a wider public.

May we send you particulars and show
matter? —P.A.T.A.

"LITTO" Laboratories, 2 NEWINGTON GREEN,
LONDON, N.I.

PARFUMERIE



Gold Medal, Cannes



DE L'ILE
NOTRE DAME



Philadelphia

Now that the summer weather is with
us, and we can look forward with
confidence to

HOT DAYS

and a largely increased demand for pre-
parations of a cooling and refreshing
nature, we respectfully solicit a trial
order for our Watch-shape Flask Series of

EAU DE COLOGNE AND LAVENDER WATER

They are Ready Sellers and bring
GOOD PROFITS to the RETAILER and
GOOD VALUE to the CUSTOMER.



Prices:

EAU DE COLOGNE	LAVENDER WATER
½ oz. per doz. 10/-	½ oz. per doz. 11/3
1 " " 15/9	1 " " 18/6
2 " " 28/6	2 " " 34/-

We are actual distillers of Oils of
Neroli, Lavender, Bergamot, &c.,
and our prices are based on the
manufacturing costs of the oils.

SPURWAY ET CIE.
LIMITED

89 GREAT EASTERN ST., LONDON, E.C.2

Telegrams: "Neroli, London."
Telephone: Bishopsgate 1372.

Factories & Distilleries: Cannes-Grasse, Riviera.
Technical Laboratories: Paris.

NEW YORK.

KINGSTON (ONTARIO).



for the dressing
table in the new
large box

without sifter or puff

1/6

Made in six shades.
RACHEL Handbag
NATURELLE size
BLANCHE 1/-
ROSE Medium
BASANÉE 2/-
INDIENNE Large
3/6

Leather or fancy embroi-
dered vanity cases with
mirror in lid.

Small size, 5/- Medium, 7/6
Large, 10/-

**All Nildé preparations
show 33 1/3% profit on
selling price.**

Poudre Nildé

in the sifter box

"The kind of line I like to handle."—A retailer's comment.

"Poudre Nildé," he said, "was one of the steadiest sellers of all lines he carried. Women have less money to spend in these days, consequently they spend more wisely. Poudre Nildé is the only powder complete with sifter box and puff that they can buy for 1/-—and the sales are going up every week. I get new customers partly through my window and counter displays, and partly through the advertising; but personal recommendations have as much to do with it as anything else. A business can be built up on personal recommendations—and that's why I like to sell Poudre Nildé."

SOLE AGENTS: **NILDÉ (Paris) AGENCY LTD.**

296, Regent Street, London, W.1

Phone: Mayfair 5282.

Every box
contains a
puff.





White 9d.
Rouge or Carmine 1/-

SOME customers you see once and never see again. But women who purchase Nildé lip salves — and other Nildé preparations — are not haphazard buyers. They choose the goods, and they choose the shop—and they keep to both. When they come to you for Nildé goods, it is because they know they can rely on the name Nildé—and on you.

**All Nildé preparations
show 33 $\frac{1}{3}$ % profit on
selling price.**

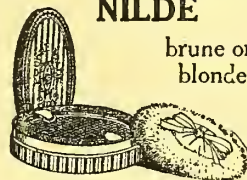
Sole Agents :

NILDÉ (Paris) AGENCY Ltd.
296, Regent Street
LONDON, W.1.

Phone - - - Mayfair 5282.

Other Nildé preparations

ROUGE INVISIBLE NILDÉ



brune or
blonde.

In the sifter box with puff 1/6

CRÈME DE BEAUTÉ NILDÉ

blanche or
naturelle,
1/6



SAVON NILDÉ

The creamy lather
soap Price 9d.

Cartons containing
3 tablets - 2/3





In Green Bottles, Registered.

Frozoclone

REGD.

The Original and Best
SOLID EAU DE COLOGNE

has many imitators but no equal.

Its elegance and utility appeal to all.

Made from the finest Eau de Cologne. Refreshing when rubbed on the forehead, pleasant as a smelling bottle, invaluable in a heated atmosphere and when travelling. A real acquisition to every household. Excellent after shaving. A boon to those in hospital.

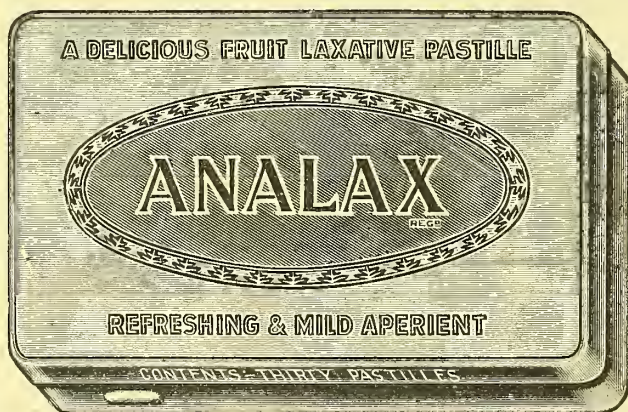
Retails at 3s. 6d. Minimum (P.A.T.A.) Per doz. 32/-

SPECIAL TERMS FOR BONDED SHIPMENT OF 4 gross minimum.

SOLID ENGLISH LAVENDER

TERMS AS FOR FROZOCLONE.

Similar size and packing
 as "FROZOCLONE"
 but in BLUE glass.



THE IDEAL FRUITY LAXATIVE

In Pastille form. Delicious, Reliable, Effective.

Retails at 2s. 3d. minimum. Per dozen 21s.

REDUCED PRICES FOR EXPORT.



THE NAIL POLISH

with new and distinctive features.
 Softens the cuticle. Brilliant polish.

Retails 1s. 9d. Per dozen 15s.

R. DEMUTH'S LABORATORIES

68 Salusbury Road, and Montrose Avenue, London, N.W.6



TRADE MARK

1777 T. F. BRISTOW & CO. LTD. 1777

STANDS Nos. 8/19

A Cordial Invitation

The Directors of
T. F. BRISTOW & CO., LTD.,
extend a most cordial invitation
to all

Pharmacists—British or Colonial
—visiting London this month, also to
Overseas Buyers and others interested
in high-class Toilet Preparations and
Perfumery, to visit their

STANDS Nos. 8/19

AT THE

CHEMISTS' EXHIBITION

CENTRAL HALL, WESTMINSTER

JUNE 23rd to 27th.

T. F. BRISTOW & CO. LTD.

ST. JAMES' WALK CLERKENWELL LONDON.



The New Piver Packings for Quicker Business



To celebrate the 150th Anniversary of the foundation
of the HOUSE OF PIVER, the leading Perfumes :

LE TREFLE-INCARNAT FLORAMYE
AZUREA POMPEIA MISMELIS VOLT

are to make their appearance in an entirely new garb.

WHOLESALE 44/- per dozen.

RETAIL 5/6 per bottle

ORDER NOW FOR BRISK SUMMER TRADE.

Parfumerie

L. T. PIVER

PARIS

London Depot : 102 DEAN STREET, OXFORD STREET, W.1. Telephone : Regent 5260



A NEW LINE

*Quite distinct
from anything
you are selling
at present.*

Here is a new money-making line which is going to make big profits for those who investigate its possibilities at once. *Couleur de Rose*, the first *absolutely undetectable* aid to the complexion ever produced, is a liquid. Its packing is dainty and tasteful. Its use does not in any way impair the delicate texture of the skin as does rouge or powder, a selling point which is even now making a vast impression in the trade.

A BIG ADVERTISING CAMPAIGN

is imminent. Our advertisements are interesting the public and press announcements will be increasing every week.

A most beautiful showcard has been designed and will inevitably bring customers into your shop—you will find *Couleur de Rose* a steady, ready selling line. We will supply you with details of our selling plans, etc., on application.

GRANVILLE'S

*Couleur
de Rose*

retails at 2/6 (P.A.T.A.). Handsome profit is allowed.
Write for terms at once to:

GRANVILLE & CO.,
35 New Cavendish Street, London, W.1.



DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP ...	10/-	1/-
A complexion soap.		
PROLACTUM ...	10/-	1/-
For the lips.		
PARSIDUM JELLY ...	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE		
BLOSSOM ...	22/6	2/6
A dressing cream.		
BORANIUM ...	22/6	2/6
A hair tonic.		
CLEMINITE ...	22/6	2/6
For a face lotion.		
COLLIANDUM ...	22/6	2/6
For a face tint.		
PERGOL ...	22/6	2/6
A deodorant.		
TEKKO PASTE ...	22/6	2/6
Camphor cream.		
STALLAX ...	22/6	2/6
For a shampoo.		
JETTALINE ...	31/6	3/6
For clearing the skin.		
PHEMINOL ...	36/-	4/-
A depilatory.		
MENNALINE ...	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX ...	18/- 31/6	2/- 3/6
A face cream.		
STYMOL ...	36/-	4/-
For oily complexions and blackheads.		
SILMERINE ...	22/6	2/6
Hair-curling fluid.		
BARSYDE ...	22/6	2/6
Dandruff eradicator.		
TAMMALITE ...	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL ...	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM ...	22/6	2/6
For whitening the hands.		
COCONOIDS ...	31/6	3/6
For figure development.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES ...	36/-	4/-
For obesity.	58/6	6/6
SOFT PALERIUM ...	45/-	5/-
For wrinkles.		
LIQUID NAIL POLISH ..	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

COLONIAL DEPÔTS AND AGENCIES.

Australia: ALL WHOLESALE, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
 South Africa: LENNON Ltd., Cape Town, etc.
 SIVE BROS. & KARNOVSKY, Johannesburg.
 India: FRAMJEE & SON, Bombay.
 A. L. CHOUDRY, Calcutta.
 New Zealand: SHARLAND & CO., Auckland and Wellington.
 South America: DEARBORN (South America) Ltd., Calla Salta 264, Buenos Aires.
 Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singapore.

Savon Minima

The Chemists'
Soap de Luxe

PRICES P.A.T.A.

1/- Size
90/- per gross
87/- " " in 1 gross lots
84/- per gross in 2 gross lots
7½/- Size
56/- per gross
53/- " " in 1 gross lots
50/- per gross in 2 gross lots
Carriage Paid.
2½% 14 days.

A SUPERFATTED Soap of finest quality. Perfumed only with expensive flower aromas, subtly tinted, wrapped in Cellophane and packed in beautiful boxes. A line that will double your Toilet Soap business.

Other grades at really competitive prices.

Sole Manufacturers

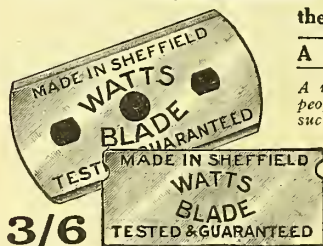
R. F. WHITE & Co. Ltd. 34 Victoria St. London, S.W.

The Non-Combine House.

Assist British industry by recommending the 'WATTS' Sheffield-made Safety Razor Blade, the blade of super-keenness.

A counter display will help.

A user writes: "Can't understand people buying foreign blades when such as yours are obtainable."



per doz.
allowing
50% PROFIT
on cost for
the dealer.

Sole Manufacturers: **JOHN WATTS,**
Dept. 3, LAMBERT WORKS, SHEFFIELD.
London: 24, REDCROSS ST., E.C.1.
Established over 150 years.

KEEN PRICES FOR CASH.
70,800 DOZEN GENUINE
GILLETTE BLADES

To be cleared in 10 days.

If Wiring - - - Wards, Warrington.
 If Phoning - - - 857 Warrington.
 If Writing - - - Wards of Warrington.

WARDS

One of the Showcards
now creating Brisk Sales
wherever displayed

**Take Care of the only Pair
of Feet You'll ever get!**

Treat them to a **SALZIUM**
Radio-active Footbath and

ENJOY REAL FOOT COMFORT

Unique in its
Softening, Soothing,
Invigorating Effects,
and yet

**FAR MORE ECONOMICAL
THAN ORDINARY BATH
PREPARATIONS.**

Don't take anybody's
word for it! Ask
to see **SALZIUM**
Better still—TRY IT!

Price, 1/9



This 12"×10"
card in red
and blue
depicts the
packet in full-
sized fac-
simile, 6"×3"

Just
Showing
SALZIUM
Sells It!

SALZIUM Bath Salts are such obviously good value for money that a display of this full-sized facsimile readily converts into a sale the interest aroused by our advertising. It is such a delightful and efficient preparation that repeats follow as a matter of course.

VERY SPECIAL OFFER TO OPEN THE SUMMER SEASON

On Orders for one doz. and over received on or before WED., JUNE 11, we will, in addition to the normal bonus of 2 packets per doz. for counter show, allow **10% cash discount** for 2 weeks' Window Display of one doz. Dummies and Showcard. As an example, an order for one doz. only means:

Cost 14/2

Selling Value 24/6
(14 packets)

Profit 10/4

"C. & D. Offer," to HENRY J. SMITH (Chemists) Ltd., 2 Stanley Rd., Acton, W.3. Phone: Chiswick 2745.

PRICE'S GIFT of LAVENDER SACHETS

WE have the pleasure to announce that until further notice, we are enclosing with each 6 and 12 cake box (toilet and bath size) of

Price's Renowned Old English Lavender Soap



a handsome perfumed satchel filled with the finest lavender flowers.

This charming gift is certain to appeal to the public and stimulate the demand for PRICE'S RENOWNED OLD ENGLISH LAVENDER SOAP—the soap in the neat wooden boxes. Your enquiries will be appreciated.

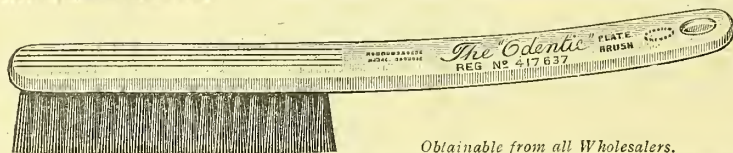
PRICE'S SOAP CO. LTD.,
BLACKFRIARS :: E.C.4.

Works :
GREENWICH.

ALZA VANISHING CREAM

IT PAYS YOU TO PUSH IT. 3d. size 2/- doz., 21/- gross.
FROM WOOLLEYS, EVANS, MAY ROBERTS.

LONDON DEPOT - - L. H. EYRES, 69 SISTERS AVENUE.



Obtainable from all Wholesalers.

"ODENTIC" PLATE BRUSH

(Reg. No. 417637)

FOR ARTIFICIAL DENTURES

Manufactured by—

W. R. SPEER & SON (Estd. over 100 years.)
TOOTH-BRUSH MAKERS,
215 DALSTON LANE, LONDON, E.8

Telephone : Axminster 5.

Telegrams : "Coate, Axminster."

COATE & CO. (Axminster) Ltd.
The London Brush Works, Axminster, Devon.

Estab. 1847.

Manufacturers of Super British Brushes

In addition to our well-known "PROPHYLACTIC" Tooth Brush, we beg to draw attention to our special "IDEAL" Pattern in Children's (No. 1) and Ladies' (No. 2) sizes. Sure sales getter.

No. 1, in Soft, Medium and Hard,	10/- per doz.	..	..	Hard Yellow,	12/-
No. 2	12/-	..	..	" "	14/-

You must surely
have this attractive

SILENT

SELLER

**SEEING IS
BELIEVING**

*The Public ask
for what they see*

OUR WINDOW DISPLAY
TERMS ARE A PAYING
PROPOSITION.

Parcel "A" - - 14 Doz.
Parcel "B" - - 7 Doz.
Parcel "C" - - 3½ Doz.

Carriage Paid.

WITH AMPLE WINDOW
DISPLAY MATTER.

WRITE FOR "W.D." LEAFLET.



These parcels give you a profit on selling
price of 43% and on buying price 75%.

Enolin LTD.
147-149 Great Portland St.
LONDON, W.1.

Telephone : Mayfair 5673.

Telegrams : "Unoenolin, Wesdo, London."

READY-FOR-USE

PISTANY UNIVERSAL RADIO-ACTIVE MUD COMPRESS



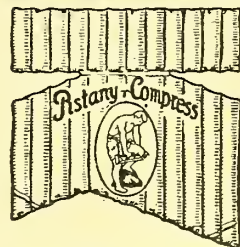
can now be supplied through Chemists and Druggists for Sure and Lasting Cures of
**CHRONIC RHEUMATISM, ARTHRITIS, FIBROSITIS, SCIATICA, NEURALGIA,
GOUT, NEURITIS, LUMBAGO, SPRAINS, CHRONIC HEADACHE, &c.**

Is extensively advertised to the public, and is a clean, quick-selling line. Compresses are fine
linen bags filled with genuine Pistany radio-active Mud. Cannot deteriorate. Radio-activity
remains for 6,000 years. Will fit any part of the body. Pattern of actual size and shape and
full particulars sent on request. Posters supplied. Cardboard containers make excellent window
display. Recommended by Doctors. Price 25/- post paid, less liberal Discount to the Trade.

PISTANY RADIO-ACTIVE MUD CUBES can also be supplied in special Illustrated
Cardboard packing, containing full Outfit for making Poultice: viz., Linen, Oilcloth, Spatula
and Thermometer. Price 25/- post paid, less good Discount to the Trade.

25,000 sufferers are cured yearly by means of the Pistany Mud. **Get your share of the trade.**
CHR. HANSEN'S LABORATORY Ltd., 77 St. Thomas' St., London, S.E.1

Information about the famous Pistany Spa, Czecho-Slovakia, from whence the Mud is derived,
is readily given upon request.



Size 18in. x 15in.

DODGE & OLCOTT CO.,

20 MARK LANE,
LONDON, E.C.3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,
SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu.
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Phone—
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"EGDARF, FEN, LONDON."



MILLIONS OF PEOPLE are reading our announcements of MARSHALL'S LYSOL

in these journals—and buying it.
Are you sharing in this by stocking
and supporting the line that protects
your profits?

“MARSHALL'S” will give satis-
faction and retain custom.

Send postcard for our best Window Display Terms. They will interest you.

LYSOL LTD., RAYNES PARK, S.W.20

*Astounding
Value*

**FREE
GIFT**

One Genuine **5/-**
Gillette Razor
(as illustrated)
GIVEN FREE
with each Box
of Blades

Prices :

Ten packets of 10's **31/8**

Twenty „ „ 5's **31/8**

Less 2½% prompt cash

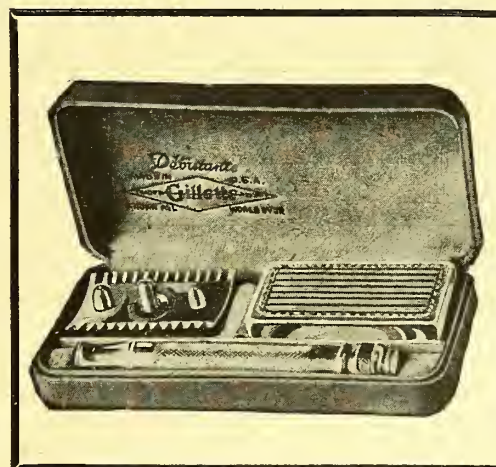
Osborne, Garrett & Co., Ltd.
LONDON, BIRMINGHAM AND
GLASGOW.



Beacon Gillette.
Dark blue leather-
ette case, containing
gold-plated razor,
and two blades (four
shaving edges) in
gold-plated chased
blade box.



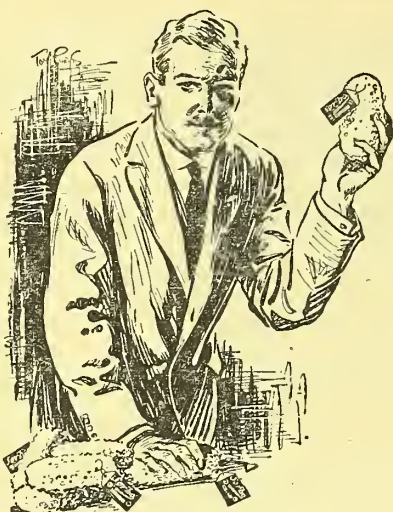
COLLEGE GILLETTE.
Black spectacle shaped
case, containing gold-
plated razor and two
blades (four shaving
edges) in gold-plated
chased blade box.
IMPERIAL SET.—Same
as above in green col-
oured case.
UNIVERSITY SET.—
Same as above in light
brown coloured case,
with plain blade box.



Debutante Gillette.
(Ladies' Razor.)
Light blue leather-
ette case, lined grey
velveteen, contain-
ing gold-plated razor
and two blades (four
shaving edges) in
gold-plated chased
blade box.

Sangers

258 EUSTON ROAD, N.W.1.



STOCK SORBO— the Sponge with the Big Selling Story.

WHEN you can say of a sponge that it outlasts four ordinary sponges while costing less than one; that its soft springy friction is unrivalled in promoting a healthy skin and fresh complexion and that *soap improves it*, you have got three big selling arguments which must—and do—prove irresistible.

Show Sorbo Sponges in your window, and get your share of the trade.

RETAIL PRICES

No. 1	-	-	-	1/-
" 2	-	-	-	1/9
" 3	-	-	-	2/6
" 4	-	-	-	3/9
" 4R	-	-	5/-	Bath Sizes
" 5	-	-	7/6	

All SORBO lines promptly despatched on receipt of order.

SorboSponge

THE MOST ABSORBENT RUBBER SPONGE

SORBO RUBBER-SPONGE PRODUCTS, LTD.

Sorbo Works

::

Woking

::

Surrey

Telegrams: Sorbo, Woking.

Telephone: Woking 666.

Create the Demand

for Feeders in your district by offering the "STANDARD."

The British bottle made in chemically pure glass means a selling point for you and safety for baby.

The fittings and pack are worthy of the bottle.

Nothing "cheap"—except the price.



6/6 dozen 72/- gross lots.
"The Feeder you will re-order."

THOS. SWALES
20-24 Butts Court :: LEEDS



EYE BATHS

Grimes' Patent Improved Rubber.

Red or Blue, Retail 1/6 minimum.
PER DOZEN 12/-. SHOWCARD WITH 1 DOZ. 5% CASH.
2½% MONTHLY. CARRIAGE PAID.

FROM ALL WHOLESALE HOUSES OR DIRECT

GRIMES & CO., 39 Craven Road, Lancaster Gate,
LONDON, W.2.

E. J. H. ATTWOOD

Manufacturer of the

"WEJA"

Tooth & Shaving Brushes

solicits your enquiries to

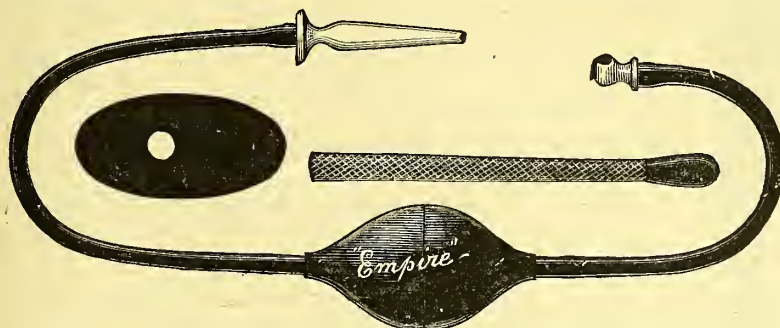
130 Chatsworth Rd., Clapton, London, E.5.

SEAMLESS ENEMAS

BRITISH MAKE.

GUARANTEED for TWO YEARS.

26/- DOZ.



26/- DOZ.

No. 988

	Per doz.		Per doz.
	s. d.		s. d.
No. 988—		No. 987—cont.	
The "Empire," black polished, in card box ...	26 0	The "B.E.M.," in leatherette snap case ...	29 0
" " in leatherette case ...	30 0	" extra large and stout, the finest article	
No. 275—		made, in superior card box ...	32 0
Warne's arabesque rubber, in leatherette snap case	54 0	" in leatherette snap case ...	34 0
No. 987—		" red, unpolished, in card box ...	26 0
The "B.E.M." (best English make), black polished,		" " in leatherette case ...	30 0
with bone rectal pipe, etc., in card box	25 0	" " stout, in card box ...	30 0
" in superior card box ...	27 0	" " " in leatherette case	34 0

Extract from The Chemist & Druggist, May 31st, 1924:

"BURGE, WARREN & RIDGLEY, LTD., 91 and 92 Great Saffron Hill, London, E.C.1, have overcome the disorganisation occasioned by the recent fire at their premises. The company inform us that all departments are in full running order again."

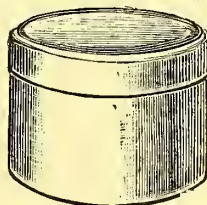
ALUMINIUM OINTMENT BOXES

Fill the gap between the chip box and the porcelain pot.
Try an assorted dozen. You will find them just what you want.

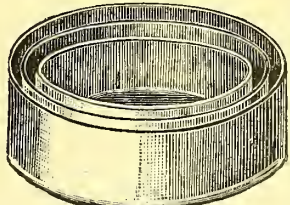
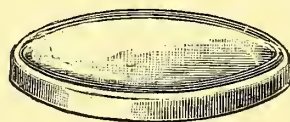
REDUCTION IN PRICES

PRICES (either shape,
tall or flat):

Per gross :	$\frac{1}{4}$ oz.	9/-
"	$\frac{1}{2}$ oz.	12/-
"	1 oz.	16/6
"	2 oz.	27/-

 $\frac{1}{2}$ oz.

1 oz. TALL.



FLAT SHAPE NESTED.

 $\frac{1}{4}$ oz. $\frac{1}{2}$ oz. 1 oz. 2 oz.

(The 2 oz. tall shape is similar to the 1 oz. size but twice the height.)

Chemists everywhere are taking up the use of these for their preparations. Their light weight as compared with porcelain pots makes for much saving in regard to carriage, the nested ones being specially suited for export.

For large contracts special rates will be quoted.

CARRIAGE PAID ON ORDERS OF £3 AND UPWARDS.

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for New Price Lists of Druggists' Sundries, Toilet Requisites, Rubber Goods, Cut Sheet Rubber Appliances, etc.

BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GREAT SAFFRON HILL,
LONDON, E.C.1.



“CORNOL”^{Regd.}

CURES CORNS WITHOUT PAIN

Minimum Retail Price **1/3** Per Bottle Wholesale Price **11/6** Per Dozen

DISPLAY TERMS means 5 1/4d. on every bottle.

“CORNOL” is the most attractively packed preparation for corns ever put on the market. “CORNOL,” moreover, is so certain in its effects that the chemist adds to his prestige by selling it.

There is no risk in stocking “CORNOL” as it sells at sight, and people are so pleased with it that they tell all their friends.

That is our experience.

A Special Discount of 5% is given for Cash within one Month.

Sole Makers :

THOMPSON & CAPPER, Ltd.
Manesty Buildings, College Lane, LIVERPOOL.

The

“PRORACE” CAP PESSARY

(Registered)

Notice to Retail Chemists.—The “PRORACE” CAP is the device so strongly advocated in “Wise Parenthood,” “Contraception,” and other Medical : Works, and the demand already is phenomenal. :

YOU SHOULD BE GETTING ENQUIRIES!

Can be obtained from all the leading Wholesale Houses, or from the sole Manufacturers, as below :

LAMBERTS (DALSTON) LTD. 60 & 62 QUEEN'S ROAD, DALSTON
LONDON " " " " E.8

Also Manufacturers of Surgical Rubber Goods of all kinds.

BEST VALUE AND BRITISH!

Specify Taylor's They're British and Best

MINIMUM PROFIT
100% ON COST.

SUPPLIES OBTAINABLE FROM THE LEADING WHOLESALERS.

Edward Taylor Ltd.

SALFORD

and 21 Ely Place, London, E.C.1

When Better Plasters are made
Taylor's will make them.

"VICTRA" Universal Household EMBROCATION

ESSENTIALLY A LINE FOR PHARMACISTS

For family use and invaluable to those taking part in Sports of all kinds.

Our 1924 GENERAL CATALOGUE will be gladly sent on application.



IN ATTRACTIVE CARTONS

In 4-oz. STOPPERED BOTTLES

Per 8/6 dozen

WM. EDWARDS & SONS

Wholesale Druggists' Sundriesmen

14/18 NILE STREET, CITY ROAD

LONDON, N.1

SIMPLIC SOOTHERS



Reduced Prices—Better Values

SIMPLIC PATENT ALL-RUBBER SOOTHERS have now been reduced to retail at

LARGE - - 6d. each

SMALL - - 4½d. ,,

Ask your supply house for 1924 prices.

SIMPLIC SOOTHERS have also been increased in weight and they now represent the best value in soothers on the market.

Packed in Dustproof Cartons.

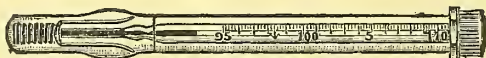
ASK FOR DISPLAY CONTAINER of TWO DOZEN

Ask also for SIMPLIC TEATS in cartons. This companion line is put up in boxes of 3 dozen Teats in 8 different patterns.

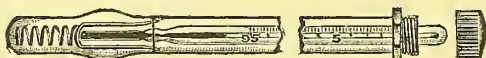
A. C. COSSOR & SON

Established 1859.

High Class Clinical Thermometers



PATENT



THE ACCOSON ASEPTIC CLINICAL.

The Thermometer is sterilised each time it is placed in the case, and the markings on the tube are not defaced. Any 4" clinical will fit the case.

Prices on application, or can be obtained from all Wholesale Houses. ORIGINAL PATENTEES OF EASY SET CLINICAL THERMOMETERS.

Contractors to all Government Departments.

Accoson Works, Vale Road, London, N.4.

Telephone : Tottenham 1880.

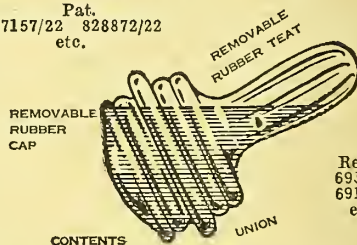
Dummies superseded at last

BY THE

"DORMEL" & "DO-WELL"

Infant Miniature Feeders

Pat.
187157/22 828872/22
etc.



Regd.
693190
691852
etc.

These new inventions are MINATURE FEEDING BOTTLES for administering sufficient honey, fruit juice, sugar, etc., to soothe the most fretful baby to sleep. THEY CANNOT BE USED AS DUMMIES, as they collapse when the contents have been extracted. By removing the rubber cap of the "Dormel" pattern, same can be used as an excellent NIPPLE SHIELD, SIMPLE, HYGIENIC AND HEALTHY FOR BABY. STRONGLY RECOMMENDED BY DOCTORS AND NURSES. British Made throughout.

As exhibited at the recent Medical, British Industries Fair, and Nursing Exhibitions.

Apply (Makers to the Wholesale Trade only):

JOHN DOWELL & SONS, LTD. Globe Works, Chatsworth Rd., Clapton, London, E.5

*Phone : Dalston 2219.

Telegrams : Acetized, Phone, London.

See our Exhibit at the CHEMISTS' EXHIBITION, CENTRAL HALL, WESTMINSTER, JUNE 23 to 27, STAND No. 128.

A SATISFIED CUSTOMER IS THE CHEMIST'S BEST ADVERTISEMENT

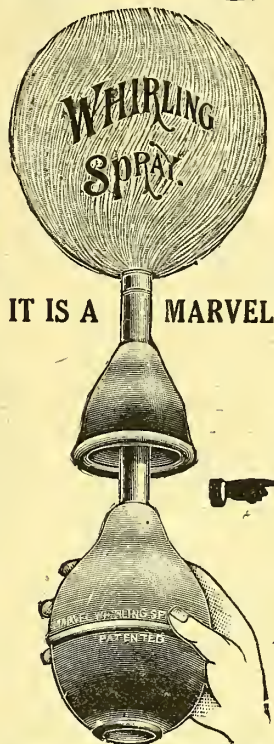
The Marvel Whirling Spray Syringe



Gold Medal Awarded, Paris, 1902,
by the Société d'Hygiene of France

as the latest and best improvement in Vaginal Syringes. Particular attention is called to the fact that by reason of its peculiar construction the Marvel Syringe dilates and flushes the vagina with a volume of whirling spray, which smooths out the folds and permits the injection to come into contact with and cleansing the entire surface.

Fully Protected by Patents.



IT IS A MARVEL



You can safely recommend it.

Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

Trade price, 125/- per doz.

Retail price, 15/- each.

FASSETT & JOHNSON, Ltd.

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WE WOULD ADVISE YOU TO
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DEMAND FOR STERILIZED FIRST

AID

DRESSINGS, ALL FACTORIES
AND WORKSHOPS MUST CON-
TINUALLY REPLENISH THEIR
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ARE USED. PRICE LIST ON
APPLICATION TO

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NORVIC CREPE BANDAGES

(Regd.)

Rubberless. Hygienic. Washable. Cheap.
Recommended by doctors and nurses
everywhere

FOR VARICOSE VEINS

Also made in "Flesh Colour," practically
invisible under silk stockings and most
popular with women.

Norvic B.P.C. Bandages
are guaranteed to comply
in every way with the
requirements of the British
Pharmaceutical Codex.

Sole Manufacturers:

GROUT & CO. LTD.
Great Yarmouth.

Stocked by all the
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A UNIQUE SYRINGE

OF SPECIAL DESIGN

The novel shape of this syringe makes it ideal for two purposes. It is separately packed for each as below.

THE "RESILA" ALL RUBBER EAR SYRINGE

This syringe is moulded in one piece and its design ensures perfect safety with very great efficiency in use.

THE "RESILA" ALL RUBBER DENTAL SYRINGE

An efficient and perfectly safe Dental Syringe which cannot get out of order.

BRITTON, MALCOLM & WAYMARK, LTD.

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Telephone: HOP 1350. Telegrams: "CLINBRITIC BOROH LONDON,"

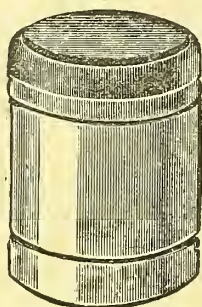


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MOULDED
IN ONE
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SIZE APPROX. 2 OZS.

PRICE - - 12/- per doz.
EACH BOXED AND LABELLED.

THE DIRECT MEDICO SUPPLY CO., LTD.



Large Stocks of all kinds of DRUGGISTS' SUNDRIES
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Stoppered Bottles	Eye Baths	Measures
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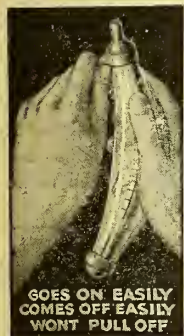
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The
Lullaby

REGD.
Patent applied for.

SEAMLESS-MOULDED NEW PROCESS FEEDING BOTTLE TEAT



*Pure, Transparent,
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Improved design, anti-choke thickened ball top. No ribs. Perfectly hygienic, and easily boiled for sterilization without injury. Absolutely non-poisonous and practically anti-hygroscopic. Most durable of all teats. Packed each in carton in counter display boxes of three dozen.

From all Wholesale Druggists' Sundriesmen, or direct from—

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PERKEN, SON & CO., LTD.

Established 1852.

Contractors to H.M.
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THE
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ALL
TYPES
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AND OTHER
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ELASTIC HOSEY

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ALL THE ESSENTIALS OF THE PERFECT ARTICLE

*viz., real elasticity, strength
and durability are features of*

'SURCO' ELASTIC HOSEY

*For price lists and measurement forms
write to the Patentees and Manufacturers*

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SUSPENSERS

HOLD-UP BRACES

KNEE-CAPS



Forster's Eldon
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FOR USE
WITH
NIGHT LIGHT
Retail, 1/9. Wholesale, 16/-
Also Forster's "Fenolin Fluid" For Whooping Cough.
Write for Particulars
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CRÊPE 'VINWOOD' BANDAGES
Trusses, Belts, Elastic Hosiery, &c.

Ask for "EUREKA" Brand
Obtainable from Wholesale Houses or
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ABSORBENT, PLAIN and UNBLEACHED
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T.H. FORD LIMITED **REGISTERED TRADE MARK** **INGOT SERIES** **6. WELL ST. LONDON, E.C.1.**

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FIRST AID CABINETS

Delivery from Stock.
"INGOT" quality throughout.

0 Cloth covered (50)	10 8
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B Cabinet de Luxe (51-150)	63 0

Subject 25% Trade Discount.

STUBBS **WHITE AND ALL COLOURS**

6 Crystal Palace Park Road
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THE "JARASO" Personal Weighing Machine

British Patent No. 23493/1910

Weighs from 1 lb. to 20 stone.
The weight is reflected automatically in the mirror.

SIZE 11 x 7½ x 8 inches.
WEIGHT 19 lbs.

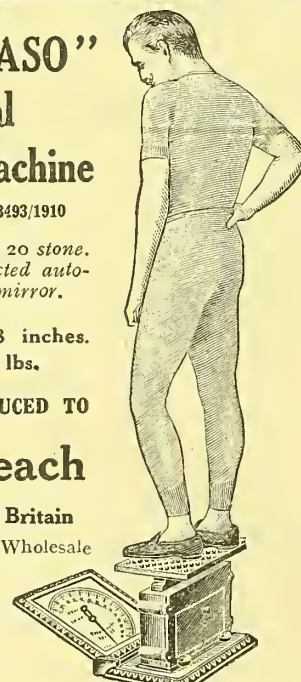
RETAIL PRICE REDUCED TO

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throughout Great Britain

Liberal terms to Houses, Shippers and Export Merchants for re-sale in Great Britain, Ireland and British Colonies only.

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All particulars from: **ALBERT C. SHOPPEE, LTD.** (SOLE LICENSEES)
Belmont Street, Chalk Farm, LONDON, N.W. 1

For Men, Women, or Children.

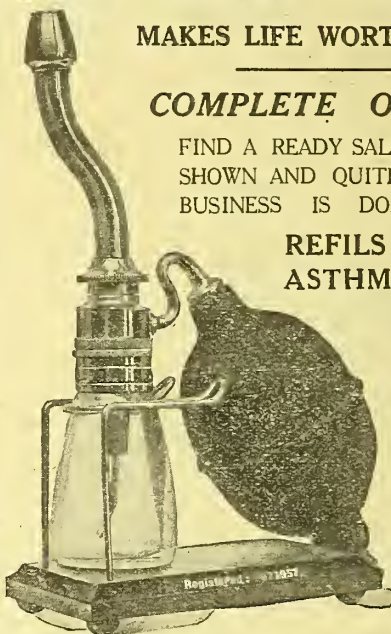
ZEALS ASTHMA TREATMENT

MAKES LIFE WORTH LIVING

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FIND A READY SALE WHEN
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Thousands
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Write for
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BARGAIN PRICES:

WHITE DRILL JACKETS	6/11, 8/11, 10/6
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by the old-established house of

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STOCK SIZES: 34 to 44 chest; measure over waistcoat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

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**LABEL &
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**"Sol-Vo" Sanitary Paper
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WE DON'T STUDY YOU**

WE STUDY YOUR CUSTOMER.

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For Terms apply:

C. & H. SERVICE, 3a Terrace BATH.
Walk,

KODAK FILMS
DEVELOPED AND PRINTED
SAME DAY

Bright Sparkling Results that will help you Build
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Unfailing Service. Write for List and Terms.

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We buy overstocks of cameras for cash and offer big prices.

WON IN A CANTER.

THE implication of this phrase is obvious—efficiency has mastered the field—so it is in the race for commercial supremacy. The glittering prizes are won by the manufacturer whose products are known not only for their intrinsic value but also their beautifully designed wrappers and boxes. There is distinction in this combination. We have been chemists' printers for 40 years and our ever increasing list of valued clients is testimony to the efficiency of our service.

Address your enquiries to-day.

**ALF. HARRISON
& SONS, LTD.**

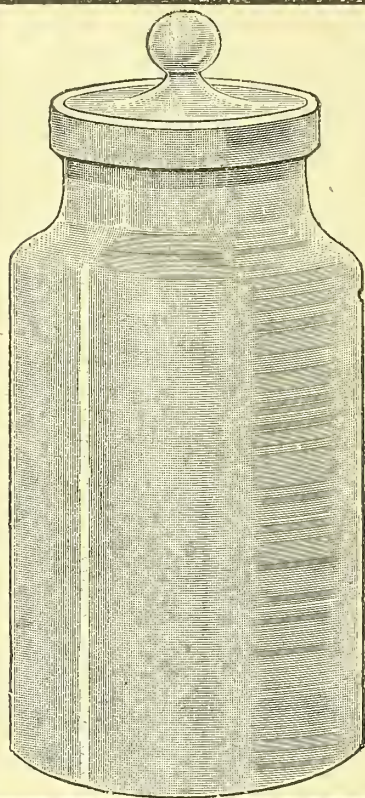
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description.

WRITE FOR SAMPLES AND PRICES.

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'GRAMS: LEEDS

**'GRAMS:
"IDEAS."**



GLASS EGG PRESERVING JARS

WE manufacture, and can supply immediately from stock several sizes of airtight, stoppered jars as illustrated, for preserving eggs in waterglass.

The price is reasonable, and a good demand is assured.

The time is now ripe, and a brisk business with quick turnover can be done.

Write to-day.

JULES LANG & SON

The Glass Specialists

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Telephones - - - NORTH 2770-2 (3 lines).
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ESTABLISHED 1858.

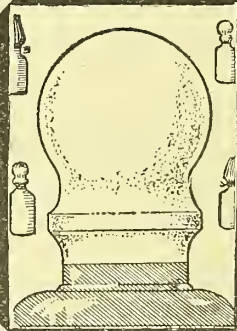
Codes : A.B.C., 5th Edition ; Scott's, 10th Edition (1906) ; and Bentley's Complete Phrase Code.

CORK TOPS

ANY SIZE, COLOUR OR DESIGN
HIGHEST QUALITY, STRONGEST GUM
EVERY ONE PUNCHED DEAD TRUE
QUICK DELIVERY—LOW PRICES

Samples gladly on receipt of Trade Card.

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**SELF-FIXING
BOTTLE CAPS**
Transparent, Opaque,
or Coloured.

Immediate Delivery

From the Manufacturers :
**THE VISCOSE
DEVELOPMENT Co., Ltd.**
Viskap Works,
BROMLEY :: KENT.

For GLASS BOTTLES

Write to

Fred^k Youldon

Formerly proprietor of E. YOULDON. Established 1840.

PORTLAND HOUSE,

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*Phone : London Wall 3529.

Wires : "Youldon, Stock, London."

Reg. Trade



Mark No. 26866.

HAND-TURNED RE-AGENT BOTTLES

Plain or Stoppered with Flat-topped Stoppers.



NARROW MOUTH.



WIDE MOUTH.

HAND-TURNED SHOP ROUNDS

Plain or Stoppered with Grip Stoppers.



NARROW MOUTH.



WIDE MOUTH.

These bottles are of beautiful finish, and are made in a glass which is free from arsenic and lead and which has been specially designed with a view to reducing the alkalinity to a minimum. All the stoppering is hand finished in order to secure a perfect seal.

As Containers for Fine Chemicals they have no equal.

Special Prices for Bulk Orders.

WOOD BROTHERS GLASS COMPANY, LIMITED
BARNSELEY, (Established 1828). ENGLAND.

QUALITY MAKERS of**Malt Ext.** and

All packings.

Malt & Oil**C. Tolkien & Co.**Factory & Maltings — Apollo Works,
Offices & Warehouse — Commercial Mills,**Blackburn.**

Established 1886.

BELFAST—31 Antrim Road.

1923

MARTEN'S

1924

COD LIVER OIL

FINEST NORWEGIAN MEDICINAL QUALITY, B.P.

STEAM-REFINED. NON-CONGEALING. BRILLIANT. GOOD TASTE. EXCELLENT
APPEARANCE. Also VETERINARY QUALITY.Sole Consignees in the
United Kingdom :**FRED^K BOEHM, LIMITED**

15, 16, 17 JEWRY STREET, LONDON, E.C.3.

140 WEST GEORGE STREET, GLASGOW

Stocks kept in London, Hull, Liverpool, Glasgow

**NEW STOCK
FOR OLD**

THE GREAT NERVE FOOD AND FLESH BUILDER

EVERY chemist holding stocks of IRVONA of the obsolete 3/- and 15/- sizes should return them to us, when they will be immediately exchanged for the NEW SIZES at equivalent value.

NOTE REVISED PRICES

1/3 size IRVONA. Trade Price 12/- per doz.

5/- " " " " 48/- "

12/- " " " " 115/- "

Another line rapidly growing in popularity:—

" IRVOLAX " (the safe aperient).

1/3 size " " " " 12/- per doz.

3/- " (four times the quantity) 27/- "

Obtainable through the usual wholesale houses, or direct if cash sent with order.

P. J. WILLIAMS

27 Finsbury Street, LONDON, E.C.2

**A little salesman
very much alive****Imperial Bee, Esq.**

cordially invites all Chemists to visit the Imperial Bee Stand No. 6, Brydone Court, New Zealand Pavilion, British Empire Exhibition. See also Window No. 3, Glass Chambers.

NEW ZEALAND HONEY**"Imperial Bee"****Brand.**

Cases.

48 1/2's	Glass Screw-	@	7/9
48 1's	top Jars	{	12/9
48 1/2's	Monopots	...	6/3
48 1's	"	...	11/0
30 1's	Glass Tumblers	"	12/0
18 1/2's	Toby Jugs	"	17/9
18 1's	Jam Jars	"	16/6
18 1's	Bee Hives	"	18/0

Per doz., carriage paid.

**A. J. MILLS & Co., Ltd.**

14 Tooley St., London, S.E.1



Exclusively for Chemists

The sales policy of Trufood is consistent. Propaganda, whether to the medical profession or to the general public, indicates that the food is:

Obtainable from all pharmacists in 20-oz. tins at 4s. 9d. There is no other channel of supply open to the public.

Continuous propaganda to the medical and nursing profession is creating increasing demand. The principal scientific journals carry whole-page announcements each week for Humanised Trufood, in which the claim is boldly made that it is the closest equivalent to breast milk available for the physician or nurse who is called upon to advise on the choice of an artificial food when hand feeding becomes necessary.

The progressive pharmacist will weigh the claims made for Humanised Trufood in the light of the following figures:

	Breast Milk	Cows' Milk	Humanised Trufood
Lactose	6.5	4.7	6.25
Fat	3.3	3.5	3.45
Casëin	0.9	3.0	0.80
Lactalbumen	0.4	0.3	0.60
Salts	0.2	0.8	0.65
Water	88.7	87.7	88.25
	<u>100.0</u>	<u>100.0</u>	<u>100.00</u>

No other Baby Food can make a similar claim and substantiate that claim by analytical data.

Humanised Trufood supersedes the old malt, malt and milk, and ordinary dried milk preparations previously offered.

You should keep at least a minimum stock to meet the growing demand.

If you are not carrying Trufood, write to-day for samples and special trade offer

TRUFOOD

TRUFOOD LIMITED

The Creameries, Wrenbury, nr. Nantwich, Cheshire

T.F. 120-130

The Key



of Life

Bovo-Lactin

PROTEIN FOODS

THESE preparations, originated by the late E. C. Hort, F.R.C.P. (Edin.), contain all the essentials of adequate nutrition, including a high percentage of Ox-Protein and Hæmoglobin.

They are entirely free from drugs or preservatives, and have a remarkable biological value not possessed by any other foods of similar intention now on the market.

Bovo-Lactin ESSENCE

A viscous liquid with a high Ox-Protein and vitamin content, especially rich in Vitamin B.

INVALID Bovo-Lactin

A powder. Especially rich in Vitamins A and B. Invaluable in acute illness. Following surgical operations it is prescribed before any other food may normally be given.

Bovo-Lactin CHOCOLATE POWDER

A combination of Bovo-Lactin and the finest Chocolate. Each cupful is a complete meal. Especially rich in Vitamins A and B.

In constantly increasing numbers Physicians are prescribing these Foods to their patients for PNEUMONIA, INFLUENZA, NEURASTHENIA, GASTRIC DISORDERS, and for "Run-down" patients, old and young alike. In stocking Bovo-Lactin Preparations you are helping your doctors, their patients and, incidentally, yourself.

Extensively advertised in the Medical and Lay Press

Your
Profit

33 1/3%

on Selling
Price.

Send for free sample tin of Bovo-Lactin Chocolate Powder.

FOOD PRODUCTS LTD.

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Tel.: CENTRAL, 2076.

Foreign Agency enquiries are invited.

FOREIGN AND BRITISH WINES

Liebig's Meat and Malt Wine
(Robinson's Bull Head Brand.)

Lifos Tonic Blood Wine Vin Ferri-Citratis B.P.
Finest Quality Quinine Wine B.P. 1914

English Port Style

Sherry, Ginger, Orange, Cowslip, Raisin,
Blackcurrant, Blackberry, Elderberry,
Tent, Muscadine, Grape, Rhubarb, etc.

"Oval" Quarts English Port Style.

3 dozen Orders Carriage Paid.

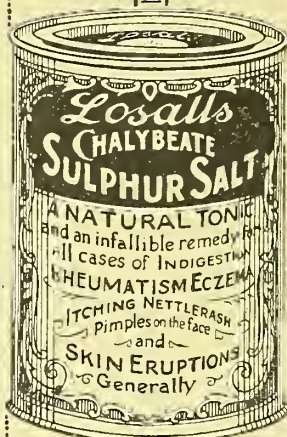
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B. ROBINSON & CO., LTD.

PENDLETON MANCHESTER.

ESTABLISHED 1855.

LOSALL'S SALT



Sells freely and readily

PROFIT 50%
ON OUTLAY

An infallible remedy for

**GOUT,
RHEUMATISM,
ECZEMA
and SKIN
AFFECTIONS.**

P.A.T.A.

4 oz. tins 1/-, 8/- doz. net.

8 oz. " 1/9, 14/- " "

Bottles 2/6, 20/- " "

Attractive advertising matter
supplied on application.

SOLD EVERYWHERE.

Manufactured by

LOFTHOUSE & SALTMER LTD
HULL

D^r HALE'S
VIN-SANGUIS
WINE FOR THE BLOOD

Fountain of Health

If you have a
Wine License we
will pay the fee.

If not, get one,
we will pay.

Send for any



You agree to display
"Vin Sanguis" always.
You give us an
agreed initial order.
You always keep stock

for further particulars

PROPRIETORS OF
DR. HALE'S VIN-SANGUIS

Transcontinental Agencies Ltd

14, Southampton St., London, W.C.2

MADE WITH OLD DOURO PORT

Vinum Xericum

BUTTS.
108 galls.

HOGSHEADS.
54 galls.

QR. CASKS.
27 galls.

Grade A. STRENGTH 16.5°—17° Abs. Alc.

Grade B. " 18—19° Abs. Alc.

James V. Oldham

19 St. Dunstan's Hill, London, E.C.3.

Telephone : Avenue 3013.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND
PROTECTED PRICES.

Food for Babies, Prepared Barley,
N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALERS who keep above in
stock, if for any reason you have difficulty in obtaining supplies, please
send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays,
Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price
List we issue to the trade, and we are pleased to exchange any article
which may be out of condition.

3

**PROFITABLE
LINES****CAMWAL****Pearlspring Health Salts**

IN 8 OZ. BOTTLES AND 4 OZ. TINS.

Lemonade PowderIN PACKETS,
CARTONS AND
CANISTERS**Aquaperia Water or Salts**

(P.A.T.A.)

HANDSOME PROFITS ASSURED.**WINDOW DISPLAYS.***Home and Export Prices and Terms on Application.***CAMWAL Ltd.** LONDON, MANCHESTER, BIRMINGHAM, BRISTOL, HARROGATE.
City Office : 52 Queen Victoria St., LONDON, E.C.4. Tel. No. : City 4497.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

(Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN. or London Office, 74 Great Tower Street, LONDON, E.C.3.

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I solicit your enquiries for MEDICAL FLATS in all sizes, plain and graduated, MEXICANS, POISONS, KALIS, LIMES, VIALS, CANNONS, OVALS, BRILLIANTINES, in all shapes. SCREW JARS, TABLET BOTTLES, etc. etc. All bottles used in perfumery and chemist trades. Special shapes made.

Wholesale quantities only.

VAN DER HOEKS, 321/23 Bank Chambers, 329 High Holborn, LONDON, W.C.1.**"TAPON"** (Regd.)

Tie up your Parcels with Advertising Tying Tape. Pleases both Eye and Pocket and gives Distinction to every Parcel sent out.

Various Colours and Widths, Printed or Plain.

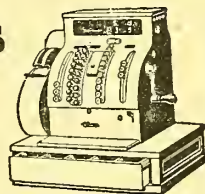
Write for particulars, when Prices and Patterns will be forwarded.

S. D. SIMOND & CO., LTD.

10 Monument Street - - E.C.3

Tel. : Avenue 6378. Telegrams : "Duncasim London."

Opportunities for Retailers



We often take back used Cash Registers when customers are installing larger or more up-to-date machines. These National Cash Registers

**Thoroughly Overhauled
and Rebuilt**

are sold under the Company's full guarantee at reduced prices.

NURSE HARVEY'S MIXTURE

A safe, simple, and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the retailer has a profitable return on a quick turnover.

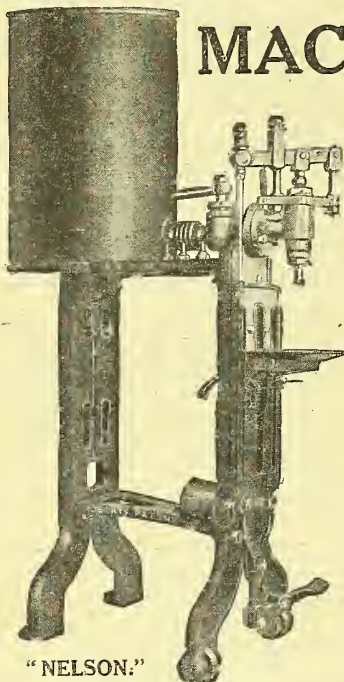
For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

Write for details of "Nationals" available :—

Dept. R.2, The National Cash Register Co. Ltd.
225 Tottenham Court Rd., London, W.1.

ROBERTS' ORIGINAL PATENT BOTTLE-FILLING MACHINES



"NELSON."

Don't waste money on imitations, buy Roberts' Machines which actually Created the

Records for
**CLEANLINESS
SIMPLICITY**

and Rapidity in Bottle Filling.

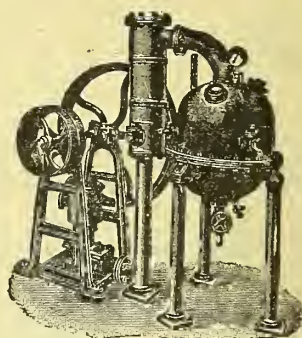
Write for new Price Lists.

NOTE the Address:
**ROBERTS' PATENT
FILLING MACHINE CO.
33 ROUNDCROFT ST.
BOLTON.**

Our latest patent "Alpha," price £12, will fill 10 gross bottles per hour.

Write for Particulars. All Rights Reserved.

Exhibiting—Stands 2 & 3
**CHEMISTS'
EXHIBITION**
Central Hall, Westminster, LONDON,
June 23rd—27th.



**STILLS, VACUUM STILLS, VACUUM PANS.
EVAPORATING PANS.**

**AUTOCLAVES AND DIGESTORS.
SPECIAL APPARATUS AND PLANT
FOR MANUFACTURING CHEMISTS.**

SOLE MAKERS of BENNETT'S PATENT 'IDEAL'
ANNULAR FILM CONDENSERS.
SHEARS' PATENT MULSER.

BENNETT, SONS & SHEARS, LTD.
ENGINEERS & COPPERSMITHS,
43 & 44 Shoe Lane, LONDON, E.C. 4.1

*English
Filter*

POSTLIP
Papers

SQUARES
CIRCLES
FOLDED
ROLLS

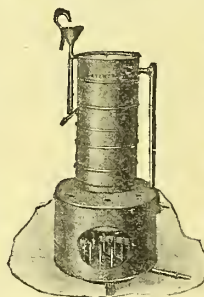
WHITE
GRAY
PLAIN
ANTIQUE
EMBOSSED
CRINKLED

SAMPLES
FREE



Evans, Adlard & Co Ltd
Postlip Mills, Winchcombe, R.S.O. Glos.

DISTILLED WATER



Brown's Stills are perfectly automatic. Can be run night and day without attention. Patented in U.K. and Continental Countries.

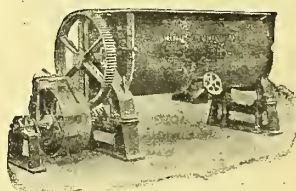
Extraordinarily efficient and economical. Made for gas, steam, oil or coke fire heating.

Full particulars and prices free on application

BROWN & SON,
Alembic Works
Wedmore Street, Holloway. N.19

"ATLAS" PATENT MIXERS & SIFTERS

Combined or Separate Machines.



Absolutely up-to-date in every detail, strong, and most reliable machines on the market. Various sizes.

BALL MILLS

HIND & LUND, LTD.
ATLAS WORKS, PRESTON.
Telegrams: "Atlas Preston."

Write for Illustrated
Catalogue C.9 to display
Fittings Dept., 32-34
Old Street, London,
E.C.1.

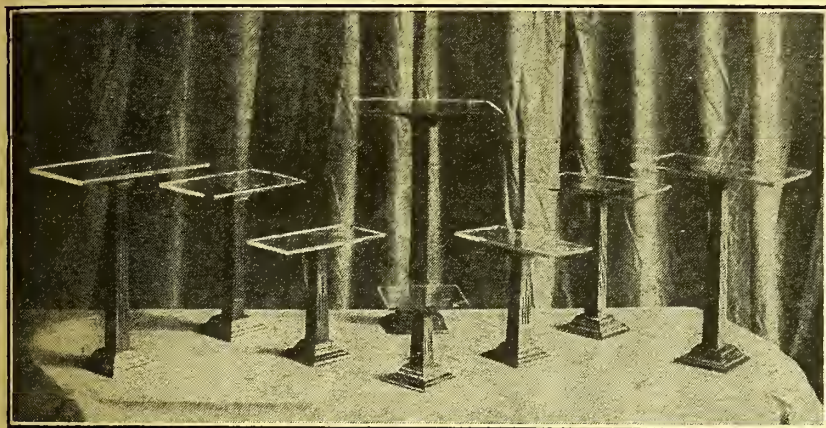
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ISSUED BY SAMUEL HASKINS & BROS. LTD.

DISPLAY DEPT.,
32-34 OLD STREET, LONDON, E.C.1.
Phone: Clerkenwell 3405-6.

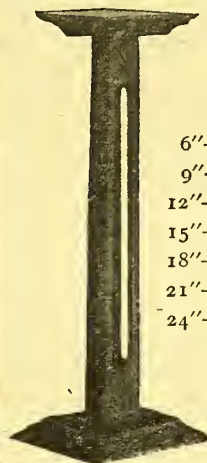
A large quantity of Plate glass
shelves of all sizes in stock
at greatly reduced prices, and
other Display Fittings suitable
for Chemists, Druggists and
kindred trades.

Orders of £2 and over carriage
paid in London area; £10
and upwards carriage paid to
any station in Great Britain.



No. C.D. 2203.

This Unit comprises:—2 each 9", 12" and 18", and 1 each 6" and 21" Solid Oak
Pedestals; 2 each 10" x 5", 10" x 7", and 12" x 8", 1 only 14" x 10" Plate
Glass Oblong Shelves, and 1 only 6" Square Plate Glass... 39/3



No. C.D. 712.

Solid Oak
Fret-cut Pedestal.

each.
6"—2/1
9"—2/6
12"—2/11
15"—3/4
18"—3/9
21"—4/2
24"—4/7

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UPRIGHT CENTRE CASES, WALL CASES,
GLASS COUNTERS, MIRRORS
WINDOW FITTINGS, GLASS SHELVES,
SHOW STANDS, DRAWERS, DESKS
CHECK TILLS, &c. Immense Stock.
NEW and SECOND-HAND.

Ready for Immediate Delivery. For Sale or Hire.

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169 Old St., LONDON, E.C.1.

Do you Worry when Away?

MORE than at any other time tills come
uppermost in the shopkeeper's mind at
the holiday period. Why? Because he
wonders how things will go on during his
absence. Install a Gledhill Till now and get the
benefit of its system before you go away.

Free your mind of worry, let the Gledhill Till
take charge of your cash transactions during
absence. There is a Gledhill Till for every
need at prices from 55s. Send now for details
of instalment terms and money-
back offer.

G. H. Gledhill & Sons
LIMITED,

16 TRINITY WORKS,
HALIFAX.

The firm with a Trade Mark
of 38 years.



The
"Britannia,"
Model B.

A
**PHILIP JOSEPHS
& SONS LTD.**

**SHOWCASE
QUICKLY EARNS
ITS COST.**

Try One!

93 OLD ST., LONDON, E.C.1.

Phone—2191 Clerkenwell.

Wires—"Josiah London."

Specialisation Reduces Costs

The tendency of manufacturers is to confine their attention to the work on which they are most successful. Partly by intention and partly by chance they eliminate the work that does not suit them. And so, eventually, they become specialists.

We are successful specialists on long runs for labels and wrappers.

Our work is good and our prices save you money ; to specialise is to reduce costs.

A quotation only costs you the trouble of sending an enquiry.

Write
Dept. C.

The Berkshire Printing Co. Ltd.
King's Road, Reading.

Venesta Collapsible Tubes

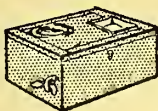
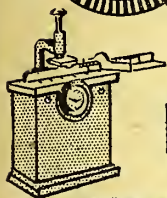
Lipsalve Cases, Sprinklers, etc.

Made in Pure Tin, Lead, or Lead coated with Tin, Plain or Enamelled, and printed with designs to suit customers' own requirements

Manufactured by
VENESTA, LTD. 1 Gt. Tower St., London, E.C.3



Time & Your Profits are linked together



A Message that will interest all readers of this journal.

Gentlemen,

If working hours are shorter and wages higher, how can we reduce Production and Distributing Costs?

Briefly that is the Problem of Modern Business Management—it is a difficult and vital Problem because:—

The purchasing power of the public is lower than it has ever been.
THE SELLING PRICE COUNTS.

The root of the Problem is TIME—the answer, the control of TIME. The weak link in every business is TIME LOST and in this connection we can help.

Inset are three inexpensive machines which for general Time Control and for the closing up of Departmental Leakages represent the finest Business Proposition of Modern Times.

Ring up
Museum 4519
NOW.

Write TO-DAY for further particulars,

BLICK TIME RECORDERS LTD.

(Dept. 15) 174 Gray's Inn Road, London, W.C.1.



FAIRY DYES

Mean Greater Turnover for You—and Absolute Satisfaction for Your Customers.

THERE is no more attractive line on the market to-day—there is no better seller—and no article has made larger strides in popular favour.

FAIRY DYES

are now sold in glass tubes, encased in smart, clean-looking "safety-first" cartons. They are retailed at 2d. each, made in 25 popular shades and colours, and are extensively advertised in the right publications.

You can rely upon Fairy Dyes—for prompt delivery in any quantities—for fresh stocks—for quick, easy-to-handle, clean turnover, and as tried favourites your customers are always satisfied. See that you are supplied without delay.

For Trade Terms and particulars write to

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FRED^K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

SPECIALITIES.—Gums Arabic and Tragacanth as Imported or finely powdered*Buy British Goods from the Actual Manufacturers.***Bathing Caps and Fancy Rubber Sponge Bags**
And every description of Surgical Appliance
in Cut-sheet and Seamless Rubber:—**THE WINCHESTER MANUFACTURING CO. LTD.**Members of the "National Union of Manufacturers,"
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and stocked by all Wholesale Houses.Trial Size 6d., per post 10d. 1/4 size, per post
1/7; 2/6 size, per post 2/10; 3/9 size, per post
4/3; 8d. size, 6/- doz.; 1/4 size, 12/- doz.; 2/6
size, 24/- doz.; 3/9 size, 36/- doz.**The SHADEINE CO., 58 Westbourne Grove, London, W.****The Evan Williams****ALWAYS IN GREAT DEMAND.
PRICE LIST ON APPLICATION.****The EVAN-WILLIAMS Co., Ltd., 14/15 Union St., W.1.****CRISP & STEWART LTD.****A POST CARD**will bring you our new Price List for Developing,
Printing, Enlarging, and Bromide Picture Post Cards. Our
prices are the lowest in the trade, and our quality of work
is of the highest standard.The foundation of a good photo business is first-class work,
therefore trust your D. & P. trade with the first-class firm of
FORBEST LIMITED, Photo Works, Broughty Ferry.**VERTICAL DEVELOPING TANKS** for developing roll films. Made
of nickel silver, complete with rods. 4 x 4 x 26" deep, 17/6. 8 x 4 x 26"
25/-. 8 x 8 x 26" 35/-. N.S. film Clips 9d. each.**LANCASTERS' "AMPLUS" VERTICAL PRINTER** makes large
size prints from small negatives. For gas or electric. Prices from 35/-.*Write for full particulars.***J. LANCASTER & SON, Ltd., 87 Parade, BIRMINGHAM****"BLATTIS,"** the Union Cockroach Paste, a
well established and never failing beetle destroyer,
originally prepared by E. Howarth, F.Z.S., to
clear plague of cockroaches from the Sheffield
Workhouse at request of the Government.

TINS, 14/-, 26/- and 51/- PER DOZEN.

Absolutely guaranteed by the Sole Makers,

HOWARTHS, 473, Crookmoor Rd., Sheffield*Liberal Trade discounts. Agents wanted for this side line***C. & D. Stock-Taking Sheets***Halve the Labour of Taking Stock.*

Price of Complete Pad, 2/6 post free.

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Publications Dept.

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OUT—AS—IN**VACUUM****FLASKS****GUARANTEED DOUBLE TESTED.**VARIOUS PATTERNS IN STOCK.
YOUR INQUIRIES SOLICITED.**OWTAZIN CO.**Phone: London Wall 0492.
(John Tolmie, M.P.S., Proprietor)

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VALET RAZORS AND BLADES. "99" Model 22/- doz. Blades

36/- box.

GILLETTE BLADES AND RAZORS. U.S.A. (5s & 10s) 29/6 box,

3 boxes at 29/-. CANADIAN (6s & 12s) 27/- box, 3 boxes at

26/6 box. U.S.A. Special Offer in (12s) 32/- box.

EVER READY RAZORS AND BLADES. 1 gross blades, 24 free

razors, 29/6 gross. 1/2 gross blades, 12 free razors, 15/- gross.

*Send for List. Not cash with order or trade references. Post free.***ALFRED FRANKS, 23, BARTLETT'S BUILDING, LONDON, E.C.4****FRIZZETTA** KEEPS THE HAIR **2/-**
IN CURL
PELLETTA FOR THE **1/4 3/3**
COMPLEXION
SE-TABA TABLETS THE NEW **1/3 3/-**
NERVE TONIC
BEST TERMS. 3 DOZEN ORDERS ASSORTED, CARRIAGE PAID.
ALL WHOLESALE HOUSES. P.A.T.A.**Maker: F. W. BATES, Brooks's Bar, MANCHESTER.****REAL SILVER LEAF**

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We also supply

GOLD LEAF AND GOLD POWDERS**WHOLESALE ONLY****E. WINTER & CO., LTD.**

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1,000. Dispensing Labels 3/6 per
1,000. Circle 3/6 per 1,000. Pure
Gummed Paper. Price List and
samples sent on receipt of a
post card.**ELLAMS & COMPANY,** Medical Label
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is of paramount importance to you, and
we reckon it is,—then investigate our
P.P.T. plan at once—lose no time—get
sample and "Every Day More Business"
circular. NO ADVERTISING THAT
A CHEMIST CAN DO BRINGS IN
SO GOOD OR BETTER RETURNS
at so trifling an outlay.**THOS. CHRISTY & CO., 4-12 Old Swan Lane, E.C.4**

FRATELLI Liquorice Juice is of supreme quality, quite palatable, excellently packed in decorated cartons. It remains hard and bright in all temperatures.

Consistently Advertised.

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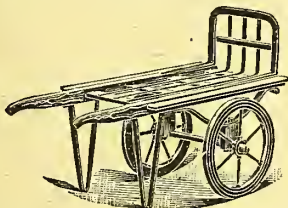
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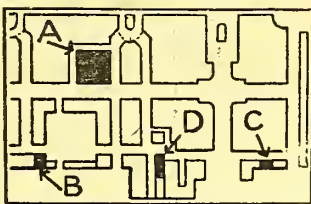
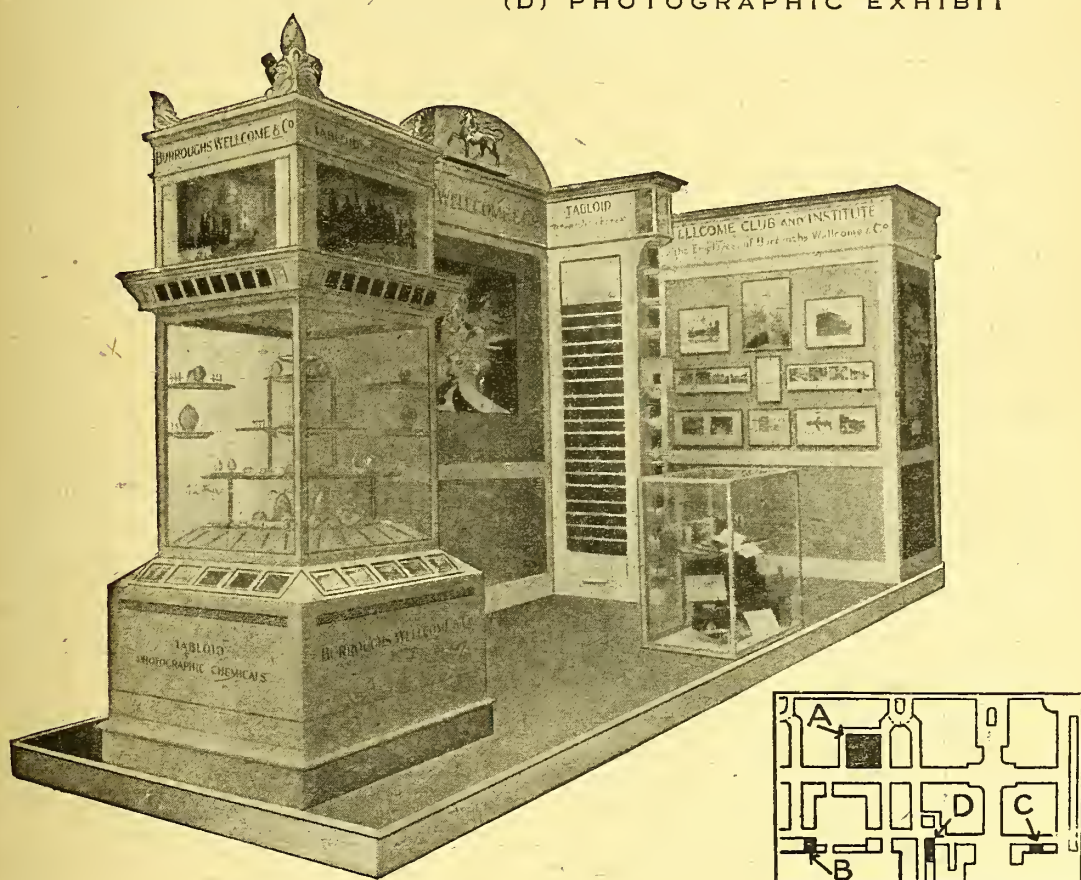
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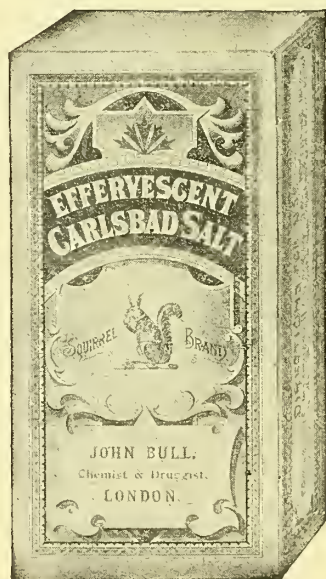
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THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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Contents

No. 23	Series 2315	Vol. 100
Advertising Ideas	796	Essential Oil Imports.. 810
Anglo-Finnish Trade ..	810	French News 786
Association Affairs	808	Gazette 784
Bankruptcy Reports	788	General Medical Council 803
Births 797		Ginseng 792
Books, New 808		Ideas 791
B.P. Notes 790		Indian Trade in Rubber Sundries 807
British Pharmaceutical Conference 792		Information Department 798
Business Changes 785		Insurance Act Dispens- ing 806
C. & D. Retail Price List 796		Irish News 786
Chemists' Golfing Events 785		Modern Pharmacies 791
Chemists' Library 795		Observations and Reflec- tions 799
Coming Events 807		Personalities 797
Company News 787		Pharmaceutical Botany 793
Correspondence—		Pharmaceutical Society of Great Britain—
Letters 816		Council Meeting 804
Subscribers' Sympo- sium 817		Pharmacy Reform in Brazil 794
Legal Queries 817		Recent Patents 793
Miscellaneous In- quiries 818		Retail Pharmacists' Union 789
Deaths 797		Retrospect 818
Doctor in Old New York 789		Scottish News 785
Editorial Articles—		Selling to Farmers 790
Pharmacists in the Army—II 800		Stock Exchange Prices 788
Duty on Table Waters 801		Trade-marks 809
The Sulphur Industry 801		Trade Notes 798
Common Sense in Zanzibar 802		Trade Report 811
As Others See Us 802		Westminster Wisdom .. 798
English News 783		Wills 796

English and Welsh News

The Editor would be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Notable Pharmacy Vases

The dispersal of the extensive and varied Berens collections has given rise to many notable sales in late years. On May '30 a section comprising Italian majolica was sold by order of the executors of the late Mrs. Randolph Berens, Prince's Gardens, London, S.W. There were some 250 ancient pharmacy vases, including thirteen specimens of the Macerata pottery, dated 1578. The most attractive lot was an equipment of forty-five drug pots, small jars, syrup jars, and vases, painted with flowers in brilliant colours, and each inscribed with name of contents. Another set of thirty-eight were all of classic urn shape with covers, finely painted in mauve colour with scroll borders, but none bearing the name of the contents. A C. & D. subscriber had the good fortune to secure about 100 specimens.

Poisoning Charge

At Woking Police Court, on June 4, the evidence in the case in which Jean P. Vaquier, a French subject, is charged with the murder of Mr. A. P. Jones, Byfleet (C. & D., May 31, p. 750), was concluded. Mr. John Webster, Home Office analyst, deposed that he had found $\frac{1}{5}$ gr. of strychnine in the stomach of the deceased, $\frac{3}{4}$ gr. in the liver, $\frac{3}{10}$ gr. in the small intestine, and traces in the spleen, kidneys, urine, and brain. In a bottle he also found traces, and he obtained a definite reaction for strychnine from the residue in a tumbler and spoon. He was able to certify the presence of a total of $\frac{13}{10}$ gr. Sir Bernard Spilsbury, M.B., gave particulars of his examination of the body of the deceased, and said that the symptoms mentioned during the hearing were consistent with strychnine poisoning. Sir Bernard gave $\frac{1}{2}$ gr. as the minimum fatal dose, and added that considerably more than the quantity found in the body must have been taken—not less than between 1 gr. and 2 gr. Particles in the envelope that he had examined gave a strychnine reaction. A witness from the Marconi Co. stated that he had never heard of the use of strychnine in the manufacture of wireless apparatus. The accused was committed for trial.

Birmingham

The death occurred at King's Heath, on May 28, of Mr. C. W. Keyworth, principal of Moseley New College, who was well known among pharmaceutical and medical students as a successful coach.

The Huxley lecture was delivered at Birmingham University on May 29 by Dr. F. Gowland Hopkins (Sir William Dunn Professor of Bio-chemistry in the University of Cambridge), whose subject was "The Present Situation and the Future Outlook of Bio-chemistry."

Liverpool

The Whitsun holiday will be short, as usual.

Peroxide of hydrogen in a shilling package figures on Budden & Co.'s counters.

Safety razors continue to be on sale at makers' cutting prices. Gillette's are down to a florin.

Mr. J. G. Wallbridge, F.S.M.C., chemist and druggist, has recently passed the Fellowship examination of the British Optical Association.

The conferring of a knighthood on Alderman John Utting, M.R.C.S., L.R.C.P., Lord Mayor of Liverpool in 1917-18, is noted with interest in drug-trade circles.

A deluge forbade tennis on the Pharmacists' Club ground on June 1, and so far Sunday play has been impracticable. By way of compensation a Whitsun tournament is proposed.

Lewis's, Ltd., have purchased the entire stocks of a number of the lines which were discontinued by Vinolia Co., Ltd., last June, as the result of the policy to reduce

C C

Nature Pictures of Medicinal Plants

THE series of nature pictures of medicinal plants which have been issued with THE CHEMIST AND DRUGGIST during the months of January-May have attracted much attention on account of their beauty. As we have received many requests for duplicate copies of these pictures we have decided to issue the series of four plates (eight plants) in an envelope at 2s. 6d. post free. Cash should accompany order. The plants pictured in the series are:—

Aconitum Napellus
Papaver somniferum
Conium maculatum
Atropa Belladonna
Datura Stramonium
Hyoscyamus niger
Valeriana officinalis
Digitalis purpurea

the multiplicity held by them as well as their retail customers. It is understood that large stocks of certain items are still available at very low rates.

Messrs. A. Royal (75 Moss Lane, Orrell Park), V. H. Robson (Hazel & Robson, Ltd.) and J. B. Williamson (Fair View Pharmacy, Wallasey), who have all been temporarily indisposed, have returned to business with health restored. Mr. W. T. Spriggs, 293 Wallasey Village Road, is on holiday in North Wales. Ordnance maps are being scanned by pharmacists intending to motor to Bath.

At a meeting of the Liverpool Rexall Club, held on June 3, at the Midland Hotel, Manchester, the following officers were elected for 1924:—President, Mr. T. Hamer (Chorley); Vice-Presidents, Mr. R. G. Edwards (Manchester), Mr. R. H. Hothersall (Oswaldtwistle); secretary and treasurer, Mr. Harold Lomax (Liverpool), who has now held this office for five years; assistant secretary, Mr. A. M. Sullivan (Waterloo). A vote of thanks was passed to the retiring President, Mr. R. G. Edwards, and Mr. T. Hamer, the new President, delivered his address, entitled, "Some Thoughts on Rexall."

On May 29, a party from the Manchester School of Pharmacy, numbering about fifty, and accompanied by the principal, Mr. Harry Brindle, B.Sc., A.I.C., Ph.C., visited the works of Evans Sons Lescher & Webb, Ltd., Liverpool. The laboratories, mills, "Montserrat" lime-juice bottling warehouse, etc., were shown them, to their great interest and pleasure. They were afterwards entertained by the company to tea, two of the directors, Messrs. Sendall and Brinson, being in charge. Votes of thanks were proposed to the company for their kindness in showing the party over the laboratories, and also for entertaining them to tea.

Sheffield

Among the victims of the epidemic of "sleepy sickness," which is on the decline locally, is Dr. Waddy.

Mr. J. E. Crowe, chemist and druggist, 882 Grimes-thorpe Road, has purchased the business of Mr. A. Inger, chemist and druggist, 125 Upwell Street.

Chemists consider that inquiries regarding their Insurance work should be conducted by the Pharmaceutical Services Committee; medical service investigations are made by the Medical Services Committee, and the two classes of inquiry appear to be parallel.

Miscellaneous

BURGLARY.—The premises of C. Robertson & Son, chemists, Barrow-in-Furness, were recently broken into; but the intruders left without taking anything of value.

POISON-LICENCE APPLICATION.—Mr. S. Dann, farmer, Cranbrook and Brenchley, has applied to the Kent County Council for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

ACCIDENT IN A PHARMACY.—When an employee at the Brighthouse branch of Taylors' Drug Co., Ltd., chemists, was serving a customer with nitric acid, recently, the cork was blown out of the bottle and the assistant sustained burns which necessitated treatment at the Bradford Eye and Ear Hospital.

"DANGEROUS" DRUGS LEGISLATION IN JERSEY.—At a recent sitting of the States of Jersey, a letter was read from the Home Office, London, calling attention to the disparity between the local and the British Dangerous Drugs Acts. The letter was referred to the Public Health Committee, with instructions to report back to the House.

POISONING.—An inquest held at Brighton, on May 30, on the body of Mrs. Florence K. Swainson, wife of a clergyman, resulted in a verdict of "Death from misadventure." Evidence showed that an overdose of paraldehyde had been taken, and the coroner said he thought it was a case of inadvertence. The lady had gone on increasing the dose. "It is," he added, "very improper to supply the drug without a medical prescription. On two of the bottles before me it does not even give what dose should be taken. It seems to be extraordinary on the part of any chemist."

UNAUTHORISED POSSESSION CASE.—At Westminster Police Court, London, on June 3, Geoffrey Harvey, of independent means, giving an address in South Kensington, pleaded "Guilty" to a charge of being an unauthorised person in possession of cocaine. It was stated that the accused, representing himself to be a doctor, went to a chemist in King's Road, Chelsea, and in the name of Mallin presented a prescription for 3ij. of a solution of cocaine hydrochloride. A detective-inspector said that Harvey had been personating a well-known doctor since October last, and he had visited various chemists in the West-End trying to obtain cocaine by an old prescription. The magistrate said he would remand the prisoner on substantial recognisances until August 21.

LEICESTER'S EFFORT FOR LABORATORIES.—At a garden party held on May 31 at the University College, Leicester, a cheque representing the result of the efforts of the pharmacists in the city and county to assist in establishing laboratories at the College was handed to Sir Jonathan North, who presided. Mr. S. Squires (President of the local branch of the Pharmaceutical Society), who was supported by members of the Ladies' Committee, Mr. A. E. Marsh, Vice-President, and Mr. J. Barker, secretary, said they set out to raise £250, but had obtained £323. Sir Jonathan North thanked the donors, and the principal of the College, Dr. Rattray, remarked that, though only a few years old, the College had done work equal to any similar institution. Among the subscribers were:—Zenobia, Ltd., £21; A. de St. Dalmas & Co., Ltd., £20; Genatosan, Ltd., £10 10s.; Clark, Nettleishin & Bailey, Ltd., £10 10s.; Mr. P. Carr Loseby, £10 10s.; Mr. W. T. Hind, £10; Young & Sons, £10.

IN THE COURTS.—In the Mayor's and City of London Court, on May 29, Miss B. Salter, Church Road, Upper Norwood, made a claim against Mr. J. M. Sugars, 37 Great Tower Street, E.C., for the sum of £13 1s. 4d. due upon a dishonoured cheque. In answer to the registrar, the defendant said he was a wholesale chemical merchant; sometimes his takings for the week were nil and at other times amounted to £25. Judgment was given for the plaintiff, and an order made for the payment of £5 in fourteen days.—At Oldbury, on May 30, William Leslie Carter (24), described as a chemist, was committed for trial on charges of forging and uttering endorsements on cheques sent to his employers, Woodhall & Co., Ltd., manufacturing chemists, Birchfield Lane.—At Westminster Police Court, London, on May 31, Beatrice Cooper, Rutland Court, S.W., was ordered to pay triple duty amounting to £13 19s. 9d. in respect of perfumery and other dutiable goods brought from the Continent without declaration.

Gazette

Partnerships Dissolved

SUTTON, F. B., BRIGGS, P., and SUTTON, LILY A., 14 Bishops Road, Paddington, W.2, powder-puff manufacturers, under the style of G. West & Co., so far as concerns P. Briggs.

Bankruptcy Acts

RECEIVING ORDERS AND ADJUDICATIONS

GIBSON, P., 18 Planetrees Road, and 80 White Abbey Road, Bradford, druggist.

JACKSON, G. A., 22 Union Street, East Stonehouse, Plymouth, druggist.

BOTANICAL RAMBLE.—The students of the botany class of the South of England College of Pharmacy, London, S.W., had a successful ramble on May 29. Train was taken to Coulsdon, and thence the ramble was over Farthing Down to Chaldon Woods. Tea, at the invitation of the principal, Mr. H. Lucas, Ph.C., F.C.S., was taken at "The Fox," Coulsdon Common, and then the ramble continued on through Coulsdon Woods to Purley. Many interesting specimens were collected and explained.

Scottish News

Brevities

Mr. H. H. V. Gibson, chemist and druggist, Stewarton, has removed to more commodious premises almost opposite his former place of business.

The following chemists have been appointed to supply drugs, etc., to the bodies named: Mr. D. McGeorge, Coupar Angus Town Council; Mr. H. Peterkin, Elgin Parish Council; Mr. J. Raffan, Huntly Town Council.

In Dundee Sheriff Court, recently, W. Gibson, butcher, Montrose, claimed £114, with expenses, from the National Cash Register Co., Ltd., Dundee. Pursuer stated that this sum represented the difference between the costs of two second-hand cash registers supplied by the defenders, and the price which he paid for the two machines, which defenders' servant, he alleged, induced him to believe were new. Judgment, with costs, was given in favour of the defendants, the Sheriff remarking that there was no evidence of misrepresentation, concealment or breach of contract.

In recognition of his services to pharmacy, and as a mark of the esteem in which he is held, the local chemists and others further afield have recently presented Mr. David Gilmour, Ph.C., Dunfermline, with a wallet of Treasury notes. As the recipient's health has been none too well of late, it was suggested that he and Mrs. Gilmour might care to take a holiday at Crieff. The following are extracts from Mr. Gilmour's letter addressed to Mr. Robert Robertson, secretary of the Dunfermline Pharmaceutical Committee, showing his appreciation of the honour and thanking the subscribers:

"I must try to say something in answer to your more than kind letter, with accompanying 'wallet,' just put into my hands through my son. In handing me an envelope, he said, 'Can you stand a surprise?' I said that I might try if not too much of a shock. I never got such a surprise in my life. It is indeed overwhelming, and I can only say the utter goodness of my fellow chemists is beyond all words of praise. . . . To be appreciated was high reward, and in this respect your letter was more than sufficient. I shall keep it as long as I live in remembrance of the West of Fife members, and especially the officials and members of the Pharmaceutical Committee. . . . Meanwhile accept for yourself and the members of Committee my gratitude for the copy of Minute sent along with the accompanying gift, my appreciation of the same, and my one regret, regret at parting officially from you. . . . Might I add that two things specially touched me when I read the list of subscribers, viz., the fact that more than one of my old apprentices' names appeared in the list, and also the names of others outside Dunfermline, with whom I am not yet personally acquainted. To these I am specially grateful.

Edinburgh

Mr. G. Somerville, chemist and druggist, President of the Heriot Club, placed a wreath at the statue of George Heriot on "Founder's Day," May 2, from the "Old Herioters."

The annual inter-city match between teams representing Glasgow Pharmacy Football Club and Edinburgh Pharmacy Athletic Club was played on May 28 at Damhead Park, Edinburgh, Glasgow winning by two goals to one. After the match the Glasgow team were entertained to tea at Fairley's Restaurant.

Glasgow

A man named Duncan died in the Western Infirmary on May 30, as the result of drinking lysol.

At the Central Police Court, Glasgow, on May 27, Robertson & Co., chemists, 678 Tolleross Road, were fined £3 for selling camphorated oil deficient in camphor.

At Wellcroft, on June 3, the bowling section of the Glasgow Pharmacy Club held the annual competition for the Cartwright rose bowl. The winners of the clocks, also the gift of W. B. Cartwright, Ltd., were Messrs. Allan Morton, W. Seivwright, Geo. Thomson, and J. T. Simpson (skip), with a score of 23 up. Mr. J. W. Logan, who represented the donors, was awarded a hearty vote of thanks.

Chemists' Golfing Events

THE London Chemists' Golfing Society visited Old Fold Manor Golf Course on May 22. The competitions were for the Sanger and Mentholatum Cups, both of which were won by Mr. H. D. Roffey. The leading scores were:—

Medal (for Sanger Cup)

H. D. Roffey	98-18=80	W. Main	91-3=88
P. Trick	86-5=81	F. N. Murray	102-12=90
N. W. Carmichael	90-7=83	H. J. Royle	109-14=95
C. A. Macdonald	91-7=84	F. C. Jones	113-17=96

Bogey (for Mentholatum Cup)

H. D. Roffey	4 down	D. J. Parry	7 down
F. C. Jones	6 down	W. Main	7 down
W. Owen	6 down	N. W. Carmichael	9 down

The Glasgow v. Edinburgh golf match for the Rainy Brown Trophy was played over the Cathkin Braes Golf Course on May 28, Glasgow winning by 13½ to 6½ matches, as follows:—

Glasgow

J. Bell	0
B. Christie	0
A. Watt	0
R. Jack	1
A. E. Tennant	1
D. G. Mackenzie	1
J. Anderson	1
W. Thomson	0
A. Taylor	1
J. M. Hart	1
G. Maclellan	1
E. Blyth	½
G. Grierson	0
J. Houlston	0
W. Seivwright	1
T. Macmaster	1
D. Duncan	1
A. Scott	1
W. Moffat	1
D. Mackenzie	1

Edinburgh

D. Barrie	1
J. D. Luman	1
J. Finlay	1
D. S. Philp	0
A. S. Brown	0
A. A. Macdougall	0
J. Philp	0
J. Manson	1
R. D. Douglas	0
W. Henderson	0
J. Noble	0
A. F. Douglas	½
J. Robertson	1
W. S. Spence	1
J. P. Gibb	0
A. J. Clark	0
A. R. Smith	0
A. E. Kelly	0
A. Brindle	0
G. Baxter	0

The annual match between Aberdeen and Dundee pharmacists for the Cartwright Cup was played at Elliot Arbroath on May 28. The trophy was won at Aberdeen last year by the Dundee team, but on this occasion Aberdeen triumphed by two matches. Details of the play are as follows:—

Aberdeen

M. C. Ross	0
J. Mackay	0
J. Forsyth	0
A. H. Marr	0
C. Michir	1
H. M. Dugan	1
M. S. Duncan	0
J. Farquhar	0
J. Michir	0
W. S. Mitchell	0
A. C. Bonner	1
P. Murray	1
A. Beattie	1
W. J. Hendry	1
W. Weir	1
W. F. Hay	1
M. K. Watt	0
J. Taylor	1

Dundee

A. Troup	1
C. Millbourn	1
E. Allardyce	0
W. Cross	1
P. Kelly	0
J. Ferguson	0
F. W. M. Bennett	*1
J. Whyte	0
F. Johnstone	1
C. Duncan	1
J. Robertson	0
C. Stephen	0
J. Thomson	0
H. Robertson	0
J. Anderson	0
A. Robertson	0
C. Livie	1
H. Jones	0

9

7

Business Changes

MR. H. BOOTH, Ph.C., 5 Chester Bridge, Crewe, has opened a business in High Street, Haslington.

MISS G. M. WEST, chemist and druggist, Roslyn House, Wadebridge, has acquired the lease of premises at 115 Killigrew Road, Falmouth, where she proposes shortly to open a pharmacy.

MR. T. H. H. FRANCIS, chemist and druggist, who retired five years ago after being in business at Clifton, Bristol, for fourteen years, is opening a pharmacy at 127 Lower Charrminster Road, Bournemouth.

Irish News

Pharmaceutical Society of Ireland

The latest dates for receiving application for the July examinations are as follows: Thursday, June 19, for the Preliminary examination; Tuesday, June 24, for the Registered Druggist examination; Wednesday, June 25, for the Pharmaceutical Licence examination; Monday, June 30, for the Pharmaceutical Assistant examination. Applications and all necessary papers should be in the Registrar's hands not later than 11.30 a.m. on the respective dates.

Brevities

Laird & Co., Ltd., chemists, 69 Upper Sackville Street, Dublin, were awarded £1,135 for damage to their premises and stock during the bombardment of the city in July 1922.

Liquid Air, Ltd., Queen's Park Works, Kilburn, London, N.W., has opened a factory at Sydenham Road, Belfast, for the manufacture of oxygen for industrial and medical purposes. This is the first establishment of the kind in Ireland.

At Cork Quarter Sessions, recently, Mr. Eugene MacSweeney, chemist, 91 Patrick Street, Cork, sued Miah Walsh, builder and contractor, of St. Joseph's Terrace, Greenmount, Cork, for £13 16s., alleging that the defendant had not carried out satisfactorily a contract to build a concrete wall. The Recorder of Cork awarded plaintiff a decree for £8.

New pharmacies are being opened in Northern Ireland by the following: Mr. George Shannon, M.P.S.I., Castlewella, at Main Street, Newcastle, co. Down; Mr. H. A. Johnston, M.P.S.I., at Main Street, Larne, co. Antrim. Mr. Johnston was recently manager of the drug department of Messrs. T. W. Reynolds, Ltd., Dungan. Mr. David J. Patterson, L.P.S.I., at Ballymagee Street, Bangor, co. Down. He was formerly with Mr. J. M. Poots, M.P.S.I., Newtownards. Mr. A. D. McMurray, R.D., Grosvenor Road, Belfast, is opening an establishment at Denaghadee, co. Down.

Belfast

In the Parliament of Northern Ireland, on May 28, the Minister of Finance announced that the assent of the Governor had been received to the Dangerous Drugs and Poisons Amendment Act, 1924.

The Northern Parliament having adjourned until October 7, the Bill to set up the Pharmaceutical Council for Northern Ireland will not now be introduced till next session.

Nine additional drug-trade claims for compensation under the provisions of the Intoxicating Liquor Act (Northern Ireland), 1923, were notified in the "Belfast Gazette," May 30. (*C. & D.*, May 24, p. 715.)

Speaking in the Northern Parliament, Belfast, during a debate on unemployment on May 29, Colonel Woods said that the unions connected with pharmacy agreed to come into the scheme for employing ex-Service men, but did not do so.

Mr. Samuel Gibson, J.P., R.D., King Street, Belfast, who has long been a successful stock raiser at his farm, Summerhill, Dunmurry, won a number of successes at the annual show of the Royal Ulster Agricultural Society, at Belfast, on May 29 and 30.

CHEMICAL CHANGES IN GLASS.—Addressing a joint meeting of the Society of Glass Technology and the British Society of Master Glass-Painters in London, on May 27, Professor W. E. S. Turner pointed out that the chief agent of decay in glass was moisture. Glass absorbed moisture at a rate dependent on its composition. If it contained a considerable proportion of alkaline constituents it absorbed very much more moisture than otherwise. The wet caused certain chemical changes; it was essential, therefore, that window glass should be made of suitable material. Mr. Noel Heaton said that the window glass of to-day was like the Roman glass of the first century.

French News

(From the "C. & D." Paris Correspondent.)

THE NEW CHAMBER OF DEPUTIES includes six pharmacists, twenty-nine doctors, two veterinary surgeons, and two dentists.

SYNTHETIC MENTHOL.—The customs authorities have classified synthetic menthol as an artificial perfume; consequently it will be chargeable under tariff No. 112.

THE PARIS SOCIETY OF PHARMACY has elected as foreign corresponding members:—M. Breugelmans, editor of the "Journal de Pharmacie de Belgique"; M. Bronislas Koskowski, President of the Polish General Pharmaceutical Society; M. G. Meoli, President of the Buenos Aires National Society of Pharmacy; and Mr. La Wall, Dean of the Philadelphia College of Pharmacy.

SYDENHAM TRICENTENARY.—The third centenary of the birth of Sydenham was celebrated at the meeting of the Academy of Medicine on May 20. Three British delegates were present: Mr. Sidney Phillips, treasurer of the Royal College of Physicians; Mr. Ry'e and Mr. Russell. Prof. Chauffard reviewed the life and work of the "British Hippocrates," his work in connection with gout, smallpox, and especially fever, his advocacy of opiates, and particularly of laudanum.

THERAPEUTIC USE OF RED.—Dr. Henri Rouquet traces erythrotherapy back to Gaddesdon, author of the "Rosa Anglica" (1429), who wrote that he cured the grandson of the King of England of smallpox by wrapping him in scarlet cloth and placing similar material all round the bed. This practice was afterwards recommended by Astiartus, Ambroise Paré and others, and seems to have been abandoned about 1778, until Finsen revived the idea in 1893.

NATIONAL OFFICE OF CRUDE DRUGS.—At the last meeting of the National Office of Crude Drugs the following resolution was passed unanimously: "The subscribers to the office, considering the services it has rendered since its creation in the collection and cultivation of medicinal plants, in increasing their production, and in the study of frauds and adulterations, business relations with foreign nations, etc.; and, on the other hand, considering that definite results can only be attained by long and patient efforts, decide to continue the National Office for a new term of five years."

HIGHER MEDICINE-STAMP TAXES.—The Government expects that the increased taxes (*C. & D.*, April 5, p. 476) will bring in an additional four million francs of revenue this year. The income of the State from medicine-stamp taxes was over 23 million francs in 1921, and nearly 26 millions in 1922. (The figures for 1923, it was stated in Parliament, are not available.) The Minister of Finance, however, points out that the 1916 Act is not applicable to remedies of which the formula was published. For two or three years, since the manufacturers of pharmaceuticals have commenced to publish their formulas, none of the well-known articles which appear in the advertisement pages of the newspapers pay the medicine-stamp tax. The result is that these products seriously compete with those made by the smaller pharmacists in country districts.

LITHIATED TABLETS.—The manufacturers of a brand of lithiated tablets have been engaged in a law suit with the Mineral Water Association of the Loire department, which was taken to the Lyons Court of Appeal. The manufacturers do not assert that these "lithinés" are natural salts, extracted from mineral waters, but offer them as a substitute for lithiated mineral waters. In the judgment, which is a very lengthy document, the court expresses the view that a manufacturer may extol his products as he pleases, but he has no right, in a prospectus or circular, to disparage those of a competitor. However, to obtain damages for such disparagement, complainants must prove that the wording is such as to leave no doubt in the mind of the public as to the identity of the object of the attack. Thus, one may disparage mineral waters in general, but if a firm or spring is clearly designated an action for damages may be brought.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

FINEGANS, LTD. (P.C.).—Capital, £1,000. Objects: To carry on the business of chemists, druggists, etc. The first director is Michael Lennon, 33 Alexandra Park Avenue, Belfast.

JAMES WILKINSON & SON, LTD. (P.C.).—Capital £25,000. Objects: To take over the business of manufacturing chemists carried on by James Wilkinson & Son, Tinsley Park Road, Attercliffe, Sheffield. R.O.: Tinsley Park Road, Attercliffe, Sheffield.

GEORGE H. HEPTINSTALL, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a pharmacy proprietor now carried on by G. H. Heptinstall at 33 Cemetery Road, Sheffield. The directors are: G. H. Heptinstall and A. Noton. R.O.: 33 Cemetery Road, Sheffield.

GOP (GETS OFF PAINT), LTD. (P.C.).—Capital £200. Objects: To carry on the business of wholesale manufacturing chemists, analytical, synthetical and research chemists, paint and varnish makers, oil and colour manufacturers, distillers, dyers and bleachers, paint and varnish cleaners and removers, etc. Solicitors: Freeman, Haynes & Co., 11 Great James Street, Bedford Row, London, W.C.1.

M. K. CARROLL, LTD. (P.C.).—Capital £300. Objects: To carry on the business of manufacturing, wholesale and retail pharmaceutical and analytical chemists and druggists, dispensers and drysalterers; manufacturers of, agents for, and dealers in all kinds of ointments, unguents, pills, powders, tablets, soaps, creams and skin preparations and toilet requisites; opticians, manufacturers of and dealers in packing cases, boxes, packets, cachets, cartons, bottles, jars, etc. The directors are: Mrs. Marion K. Carroll, Miss Anastasia O'Connor, and T. B. Davies. R.O.: 3 Trafalgar Buildings, Bargoed.

COMPANIES WHICH MAY BE DISSOLVED.—Notice is given in "The London Gazette" that at the expiration of three months from May 20 the names of the undermentioned companies will, unless cause is shown to the contrary, be struck off the Register and the companies dissolved:—Cinema Soap Co., Ltd.; Torridon Road Drug Stores, Ltd.

VIROL, LTD.—The gross profit for the year ended March 31, 1924, was £226,743. The net profit, including £41,280 brought forward, is £22,074, against £32,123 for the previous year. Deducting corporation tax and preference dividends, including that due April 1, the balance available is £30,563. The directors recommend a dividend of 20 per cent. on Ordinary shares, placing £15,000 to reserve.

LONDON CHEMICAL WORKS, LTD.—In the Companies Winding-up Court, London, on June 3, Mr. Justice Romer had again before him the petition of Henry Ellison, Ltd., manufacturing chemists, for the compulsory liquidation of the London Chemical Works, Ltd. (C. & D., May 17, p. 687). Mr. Morle, for the company and the voluntary liquidator, pointed out that prejudice was not alleged by the petitioners, and said he was willing that a joint voluntary liquidator should be appointed. This suggestion was accepted, and the petition was dismissed.

BRITISH GLASS INDUSTRIES, LTD.—In the Chancery Division of the High Court, London, on June 3, Mr. Justice Romer granted a petition by the British Glass Industries, Ltd., for the sanction of the Court to a reduction of its nominal capital from £5,000,000 to £2,255,218, and to an increase of its capital to the former amount of £5,000,000. Mr. Arthur Sims, for the company, explained that it was not proposed to issue fresh capital at present, but if the resolution authorising the company to do so was passed at the same time as the resolution for reduction, the Revenue authorities did not ask for duty. The proposed reduction was to be carried out by cancelling 15s. off each of the issued shares, bringing them down to 5s. each.

CHEMISTS' DEFENCE ASSOCIATION, LTD.—A meeting of the directors was held at 19 Tavistock Square, London, W.C.1, on May 27. There were present Messrs. Forster, French, Gilleghan, Hague, Hardy, Jackson, Keith, Marshall, Martin, Melhuish, Scholes, Smalley, Tranmer and Young, and the secretary. An application was considered asking for a higher indemnity cover than that afforded normally, in consideration of payment of an additional fee. It was decided that the application be approved and also that the principle be agreed generally. It was resolved that any member could receive additional indemnity cover upon paying an extra fee, such fee to be one guinea per £1,000 additional cover required over and above the ordinary scales. Twenty-seven new members were allotted shares and eleven shares transferred to new members.

THE "SANTAS" CO., LTD.—The report for the year ended March 31 states that investments now stand in the balance-sheet at £197,826 10s. 6d., while on the debit side loans figure at £105,000. This is explained as follows: Early in 1923 an opportunity occurred of acquiring a controlling interest in W. Woodward, Ltd. Negotiations terminated in the acquisition of the whole of the shares in that company, the purchase being completed on April 11 of that year and financed by loans and the sale of some of the company's investments. The balance to credit of profit and loss, including amount brought forward, amounts to £49,208. From this sum £7,326 has been paid as dividend on 9 per cent. cumulative preference shares for the half-year ended September 30, 1923, and £5,000 as interim dividend on ordinary shares, leaving after payment of dividend of 4½ per cent. for half-year ended March 31, 1924, on preference shares and a final dividend of £25,000 on ordinary shares, a balance of £4,556 to be carried forward.

HEPPELS, LTD.—According to the statutory report issued by the directors, the total amount of cash received in respect of the shares issued in February was £123,150. Preliminary expenses, including underwriting and over-riding commissions and brokerage, are estimated at £24,000, which is over 19 per cent. of the cash actually received. Having paid £21,662 on account of these expenses, £16,600 on account of purchase consideration and other minor sums, the company has at present £84,705 at the bank. The shares offered in the prospectus were 150,000 preference and 95,000 ordinary, all of £1 each, and 100,000 ordinary of 1s. each; but of these 50,000 of the £1 ordinary and all the 1s. ordinary, it was stated, had been applied for and underwritten by the vendor and the directors and their friends at a premium of 7½ per cent. The statutory report now says the total shares allotted is 240,280, and that cash received for preference shares was £83,047 and for ordinary shares £40,103. The final subscriptions were to be paid on April 1, and the statutory report shows receipts to May 23.

NATIONAL DRUG AND CHEMICAL CO. OF CANADA.—The report for the year ended January 31, 1924, states that, after meeting all expenses, as well as paying dividends, a balance of \$103,223 is left, equal to £21,210. Profit and loss shows \$216,346, equal to £44,454. On January 1, 1924, the new application of the sales tax came into force, this being a 6 per cent. sales tax collected at the source—namely, at the Customs or from the final manufacturer, instead of a tax of 2½ per cent. on each turnover of the goods. Between May 1920 and December 31, 1923, the loss to the company through forced absorption of the sales tax was many thousands of pounds, because in many cases it was impossible to pass on to the next buyers the sales taxes it paid on all its purchases. Under the changed system all sales taxes can be passed on to the next buyers. During the year the company placed in the hands of the trustees for the purchase of shares by way of redemption £7,500, and, in addition, £8,756, representing the dividends on redeemed shares. The number of shares redeemed during 1923 amounted to 19,479, bringing the total of shares redeemed up to 152,964 at February 1, 1924.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 31, 1923	Apl. 30, 1924	May 30, 1924
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord. . .	21 3	21 0	20 9
Apollinaris and Johannis, Ord. £1 . .	7 6	10 3	10 6
Ash (Claudius), Sons & Co., Ord. . .	14 9	19 3	17 6
Ayrton, Saunders & Co., 7½% Pref. . .	15 6	16 3	15 9
Bell (John) & Croyden, 10% cum. Pref. .	7 0	6 3	5 0
Benger's Food, Ord. . .	38 0	37 6	37 0
Boake (A.), Roberts & Co., 5% Pref. £10	£6 6	£5 3	£6 3
Boots Pure Drug, Ord. . .	102 6	106 3	110 0
Boots Pure Drug, 7% "A" Prefd. Ord. .	23 3	23 3	23 3
Boots Cash Chemists (Southern), 6% "A" Pref. . .	21 9	21 9	21 9
Borax Consolid., Defd. Ord. . .	35 6	39 6	40 6
Bovril, 6% Pref. . .	20 6	22 6	22 9
" Ord. . .	23 0	25 0	25 0
" Defd. . .	27 6	35 4½	39 0
British Celanese, Ord. . .	7 6	6 6	7 3
" 7½% Pref. . .	10 0	9 3	10 3
British Cyanides, Ord. . .	18 9	6 3	7 6
British Dyestuffs Corp., 7% Pref. . .	12 6	11 3	10 9
" Prefd. Ord. . .	7 9	5 9	5 6
British Glues and Chemicals, Ord. . .	4 0	3 6	3 0
" 8% Pref. . .	15 0	12 6	12 6
British Oil and Cake Mills, Ord. . .	25 9	20 3	20 3
British Oxygen, Ord. . .	42 6	43 0	44 0
British Photographic Industries, 6% Cum. Pref. . .	5 0	5 0	4 0
Brunner Mond, Ord. . .	37 0	38 3	37 3
" 7½% Pref. . .	26 6	28 0	29 0
Bush (W. J.) & Co., 5% Pref. £5 . .	57 6	61 3	65 0
Cadbury Bros., 6% Pref. . .	23 3	23 9	24 0
Callard, Stewart & Watt, Ord. . .	27 6	28 9	31 0
" 5½% Pref. . .	17 6	17 6	17 6
Crosfield (Joseph) & Sons, 6½% Pref. .	19 9	19 3	20 0
De Trey & Co., Ord. . .	16 0	20 9	19 3
Eastman Kodak, Com. (No Nominal Value) . .	\$123	\$123	\$123
" 6% Prefd. \$100 . .	\$125	\$126	\$127
Evans Sons Lescher & Webb, Ord. . .	4 3	4 3	3 6
" 5% Pref. . .	7 3	7 6	5 6
Field (J. C. & J.), Ord. . .	15 0	15 0	16 3
" 7% Pref. . .	20 3	19 3	20 0
Gossage (William), 6½% Pref. . .	19 9	19 9	20 3
Grout & Co., Ordinary . .	25 6	29 6	29 9
Idris & Co., "A" Ord. . .	12 6	13 3	14 6
Ilford, Ltd., Ord. . .	20 6	20 6	21 0
" 6% Pref. . .	19 3	17 6	18 0
Intern. Sponge Importers, 6% Pref. . .	9 0	10 0	10 0
Kent (G. B.) & Sons, 5½% Pref. . .	14 3	12 9	12 6
Knight (John), 25% Prefd. Ord. . .	60 0	61 3	64 0
Lever Bros., Ltd., 7% Pref. . .	20 6	21 9	21 3
" 8% Pref. . .	20 6	21 9	21 3
" 20% Prefd. Ord. 5s. . .	10 6	11 3	11 3
Liebig's Ext. of Meat, Ord. £5 . .	£14 1	£13 3	£13 3
Magadi Soda, Ord. . .	1 6	1 6	2 9
Mellin's Food, 6% Pref. . .	12 0	12 0	12 6
Mond Nickel Co., Ord. . .	35 0	36 3	38 3
" 7% Cum. Pref. . .	25 6	23 3	25 0
Nathan (Joseph) & Co., 7% Pref. . .	14 0	11 3	10 6
" 8% Prefd. Ord. . .	9 0	6 3	5 9
National Drug and Chem. Co. of Canada, 6% Pref. . .	18 0	18 0	17 6
New Transvaal Chemical Co., 6% Pref. .	17 6	17 6	17 6
" 8% Pref. . .	22 6	21 9	22 6
Salt "Union," Ord. . .	23 0	20 6	22 0
" Prof. . .	24 0	24 0	24 3
"Sanitas," The, Co., 9% Pref. . .	24 3	23 9	23 9
Schweppes, Ltd., Ord. . .	19 6	21 9	21 0
" Defd. . .	15 0	21 0	20 0
Smith (Stephen) & Co., 6% Pref. . .	26 3	25 0	25 0
Southall Bros. & Barclay, Ord. . .	47 6	50 6	53 0
" 5% Pref. . .	19 3	19 6	19 3
Spratt's Patent, Ord. . .	32 6	36 3	36 6
Stevenson & Howell, 6½% Cum. Pref. .	17 6	19 4½	19 4½
United Alkali, Ord. . .	33 0	32 0	32 3
United Glass Bottle Man., 7% Mt. Deb. Stk. £100 . .	£86	£99	£100
Venesta, Ltd., Ord. . .	14 9	16 3	16 9
" 7% Pref. . .	16 0	17 6	17 6
Virol, Ltd., Ord. . .	80 0	80 0	80 0
" 7% Pref. . .	21 9	22 0	22 0
White (A. J.), Ltd., Ord. 10s. . .	6 6	6 0	7 0
White (R.), & Sons, 6% Pref. . .	13 9	16 3	17 0
" Prefd. Ord. 10s. . .	5 6	7 3	7 3
Wright, Layman & Umney, 6% Pref. . .	18 9	19 9	19 4½

Bankruptcy Reports

Re Robert Morrison Lamertz, 10 Great St. Helens, London, E.C., drug merchant.—The application of this debtor for an order of discharge was again before the London Bankruptcy Court on May 30. After a statement by the official receiver the hearing of the application stood over by consent until October.

Re Arthur Inger, 125 Upwell Street, Sheffield, pharmacist.—The adjourned public examination of this debtor (C. & D., May 3, p. 619) was held recently at Sheffield. According to the statement of affairs there were liabilities £1,923 and assets £1,127. Debtor attributed his failure to bad trade, depreciation of stock, and too much purchase money for the businesses. He stated he commenced business with £1,400 borrowed from his mother, which had not been repaid. He bought a shop in Grimesthorpe Road and another in Upwell Street, paying £600 for goodwill. The examination was adjourned.

Re Ernest Nixon, trading as Nixon & Co. at 57 Bell Street and 40 Henshaw Street, Oldham, and as A. R. d-ferr at 14 Wellington Street, manufacturing confectioner and wholesale druggist.—A meeting of the creditors was held at Manchester on May 28. The debtor's statement of affairs (C. & D., May 3, p. 615) showed gross liabilities £5,052 and a deficiency of £2,923. He attributed his failure to "slump in trade in Oldham, bad debts and pilferages by employees and others." In his observations on the case, the official receiver reported that the debtor stated that he started business for himself in 1911 as a wholesale druggist with a capital of £100. In March, 1921, he purchased for £1,000 a manufacturing confectionery business. His business was successful until 1923, when in consequence of keen competition his profit fell from 15 per cent. to 7½ per cent. He further stated that he had sustained heavy losses through bad debts and through lack of proper supervision over his employees. Mr. D. Sunderland, Eastcheap, London, E.C., was appointed trustee of the estate, with a committee of inspection.

Re Reginald William George Bowsher, The Pharmacy, Amesbury.—The adjourned public examination of this debtor was held recently at Salisbury. The statement of affairs showed gross liabilities £3,400, of which £2,794 17s. 1d. was expected to rank, against assets £1,192 17s. 2d. Debtor had attributed his failure to the fact that the expenses which the business was called upon to bear were out of proportion to the profits he made. Proper books of account were not kept, there being simply a record of sales effected on credit, and little else. At the previous hearing he had agreed that the gross profits of the Amesbury business might be £451 per annum, and he now stated that he thought that was based on 20 per cent. received from the business. He admitted that his personal expenses and trade expenses amounted to £893, which showed that he drew £442 in excess of what he was entitled to according to the profit made. His father had provided the money for him to start in business, on condition debtor took over certain liabilities; he undertaking the upkeep of the family. His difficulties had been increased by the shortage of houses, and he had to pay £100 per annum rent. He expended about £600 in commencing a branch at Lark-hill, but there was very little trade there, and he had lost considerably on this venture. The examination was closed.

THE Italian government has permitted the export of 1,000 tons of sugar, as now the production is sufficient to meet the home demand. At the same time it was decided to remove all restrictions on the export of sugar from August 1, 1924, in view of the expected increase in production following the present campaign.

JAPAN is preparing to adopt the metric system of weights and measures, and educational propaganda, designed to acquaint the people with the system, is being spread under the direction of the Department of Agriculture and Commerce. The actual adoption of the system will begin on July 1.

Retail Pharmacists' Union

MEETING of the Executive Committee was held at Tavistock Square, London, W.C.1, on May 27 and Mr. A. R. Melhuish was in the chair, and there were also present Messrs. Forster, French, Gilleghan, Hague, Hardy, Jackson, Marshall, Martin, Rowsell, Scholes, Smalley, Tranmer and Young.

"DANGEROUS" DRUGS.—The Home Office wrote to state that the Home Secretary cannot see his way to exempt from the Regulations mixtures of those drugs that are already exempted by Regulation. In reply to an inquiry instituted at the suggestion of Mr. Forster, he pointed out the difficulty of supplying cocaine eye-drops to merchant vessels, the Board of Trade replied:—

I am directed by the Board of Trade to state that the Medical Scale for merchant ships, which they prescribe in pursuance of the Merchant Shipping Act, are at present under revision. The Board have already decided to add a solution of cocaine hydrochloride 5 per cent. with either boric acid 2 per cent. or salicylic acid 0.15 per cent. to the scales for all ships required by law to carry medical practitioners. They now propose to add the solution also to the scales for ships which do not carry doctors, with the proviso that the following instructions must appear on the bottle:—(1) With the aid of the dropper put two drops into the eye. (2) Wait five minutes. (3) Put two more drops into the eye. (4) Wait five minutes. (5) Put in two more drops. The eye should then be ready; care must be taken that the instrument used must be perfectly clean. After the removal of the foreign body bandage the eye for 4 hours. The bottle should be labelled "For external use only. Read instructions carefully before using." If this addition is made, masters of ships which do not carry doctors will be able to obtain the necessary supplies under the general authority given by the Home Office in pursuance of the Dangerous Drugs Regulations.

Mr. Forster stated that, after consultation with the Secretary, he had communicated with the Board of Trade in regard to the exempted drugs as well as the supply of cocaine eye-drops. The chairman thanked Mr. Forster for the interest he was taking in these questions.

PROPRIETARIES IN INSURANCE PRESCRIPTIONS.—Dealing with the preparation of a list of proprietaries which may be supplied on Insurance prescriptions in smallest original packages, the London Pharmaceutical Committee submitted the following suggestions for classification:—

(1) Medicaments which are made up in separate doses and supplied according to the number of doses ordered, e.g., capsules, pills, cachets, and tablets. (2) Single liquid and single solid preparations ordered alone, e.g., Codex, Collosols, etc.

These were referred to the subcommittee appointed for the revision of the Drug Tariff.

Reports were received regarding the testing by analysis of Insurance prescriptions and the anomalies detected in examining samples of liq. arsenicalis and liq. ferri perchlor.

Leeds.—The third annual meeting of the Leeds Branch took place on May 29 at the Commercial Hotel, under the presidency of Mr. M. E. Murray. The annual report, presented by Mr. A. W. Lupton (hon. secretary), recorded that the year had been marked by a considerable increase of work on behalf of chemists. The financial statement, submitted by Mr. F. Midgley, showed that the year commenced with a balance of £1 18s. 3d., and had closed with a balance in hand of 9s. 2d. Including a few outstanding dues, there had been 83 subscriptions paid during the year. The reports were adopted. Mr. N. N. Armitage, a former President and treasurer of the Leeds Chemists Association, was unanimously elected *Chairman*; Mr. J. Hayes, *Vice-Chairman*; Mr. A. W. Lupton, *Secretary and Treasurer*, and to the Council were added Messrs. H. Gilleghan, T. Shooter and F. H. Eadie. Mr. Hayes was appointed delegate to the Leeds Chamber of Trade council. Thanks were awarded the retiring officers.

Plymouth.—The annual meeting of the Plymouth Branch was held on May 28. The annual report was presented by the retiring chairman, Mr. B. Shelton, and the treasurer's report, presented by Mr. F. E. Turney, showed a satisfactory balance. Mr. A. C. Marrow was unanimously elected *Chairman* for the ensuing year. Mr. R. Gollop was thanked for his work as *Secretary*, and consented to continue in office, Mr. Cyril McRen being elected *Assistant Secretary*, and Mr. F. E. Turney was re-elected *Treasurer*. Messrs. A. F. Cornish, F. A. Goodwin and F. A. Roper were elected to vacancies on the Committee. The annual outing will take place on July 2.

The Doctor in Old New York

To a certain extent history is repeating itself as regards medicine and those who imagine they can cure the ills of humanity without any preliminary study of medicine or the anatomy of the human body. New York, it seems, has always been a happy hunting ground for irregular practitioners of all sorts. Away back in 1664 an ordinance was passed by the Duke of York to suppress the ignorant pretenders and quacks who overran the country, and later, in 1760, an Act was passed to regulate the practice of physick and surgery in the City of New York, because "Many ignorant and unskilful persons in physick and surgery in order to gain a subsistence do take upon themselves to administer physick, etc., thereby endangering the lives and limbs of many poor and ignorant persons who have been persuaded to become their patients." It was enacted that, after the publication of this Act, "no person shall practice as a physician or surgeon in the City of New York before he has been examined in physick or surgery and approved of and admitted by one of his Majesty's Council, the Judges of the Supreme Court, the King's Attorney General, and the Mayor of New York for the time being, who should call to their assistance for such examination such proper person or persons as they might think fit." About the year 1652, medical practice not being restricted by diplomas and licences, every one given that way could practise along certain lines, and large numbers availed themselves of the opportunity of treating diseases by first abstracting their fee, then a little blood, and afterwards followed the treatment in which science was conspicuous by its absence. Three of these kind of "doctors" were well known to have made pills and sold Vienna drinks, i.e., a concoction of rhubarb, senna, and port wine. In 1653 brewers and wholesale dealers, including distillers, were not permitted to keep a tavern, or retail beer or light wine, which condition of affairs is remarkably like those obtaining to-day. In 1691 Johannes Kerfbyle, a Hollander, performed what was the first post-mortem examination made in America of which there is any record. Governor Slaughter had died suddenly, and the authorities had an autopsy made on the body, as it was suspected poison had been administered. The first coroner's inquest of which there is any record was held in February, 1658. In the early days of the City of New York doctors' fees were small and their social position of no importance. In 1745 an Act was passed making the highest fee for every visit or prescription in town, or within five miles, five shillings, and for every mile above five, sixpence. The doctors who had studied physic in the university and had taken a degree were allowed to charge double the amount. Dr. John Bard, who was Washington's physician during the General's residence in this city, first agitated in 1769 in favour of the erection of a public hospital, his efforts being eventually successful. He was one of the professors of the first medical school in the city in 1768. In 1753 there were "40 gentlemen of the faculty, and far the greater number of them are mere pretenders to a profession of which they are entirely ignorant," so claimed a writer in the "Independent Reflector," referring to New York. It is of interest to note, besides numerous hospitals, New York City has now 69 general dispensaries which yearly care for about a million patients.

Selling to Farmers

THE average British farmer has a fine personality. Conservative in many ways, once he realises the value of and accepts any particular article, method or service he is very slow to change. Living, as they mostly do, a somewhat retired life, farmers greatly appreciate any little kindness afforded them when visiting the nearest market town or village, and there are many ways in which the chemist can help and make friends of them. While being keen buyers, they are very appreciative of quality, particularly in such things as horse and cattle condiments and medicines, wheat dressings, fertilisers, tree grease, etc., and it is a sorry day for the chemist who believes that any old drugs will do in making up a farmer's pet recipe for horse or pig powders.

Make sure that all your spices, condiments and heavy drugs are of the best quality, and that every recipe is correctly compounded, then stick to your prices. To the customer who "can buy it for so much round the corner" say firmly that he is getting the very best quality, that he can depend on getting just what he has asked for, and that your price is based upon a fair percentage of profit with the object of making permanent customers. Quality tells in the long run, and it will usually be found that the man who grumbles most becomes your best customer. As the farmer does not come in to town every day, it is necessary to keep in constant touch with him. There are many ways for doing this—newspaper advertisements, letters, price lists, house-organs, etc., each of which has some particular advantage. If using newspaper space, which would of course be in the paper circulating among the farmers in your district (it does not always follow that the local paper is the best for this purpose), a series of advertisements will be found helpful in encouraging farmers to bring their own recipes to be made up. A similar appeal should be made to their wives to send in the household and family recipes to be compounded. Publish useful hints and recipes in your advertisements and other literature, and offer practical help and advice. In this direction the *C. & D. Compact Library* will be found most useful, particularly "Veterinary Counter Practice" and "Diseases and Remedies." Board of Agriculture leaflets can also be obtained giving useful advice worth passing on to farmers. A careful study of the various problems which the farmer has to face will be time well spent. To mention a few: Sprays and washes for fruit trees, poultry feeding and ailments, sheep dipping, seed dressings, manuring, weed-killers, farm pests. A fund of "worth while" information may be culled from the "Miscellaneous Inquiries" columns of the *C. & D.*

Make a practice of registering the names and addresses of all farmers who come into your shop, and add to this list by watching the farmers' advertisements, also births, marriages, deaths, and other announcements in the local papers. To each of these names on your list send a message of some description at least once a month, oftener when you have something special to offer or talk about. In all announcements encourage shopping by post, 'phone, or carrier, but be sure to make definite arrangements for delivery so that delivery promises can be kept. Keep all customers and prospective customers well supplied with order forms, addressed envelopes and postcards. The suggestion for using blotting paper, given in the "Ideas" section of *THE CHEMIST AND DRUGGIST*, March 8, p. 235, will be found very suitable for farmers. If in a market town, have special seasonal offers on market days. Put a suggestion box on the counter and invite farmers to submit suggestions for improving your service to them. A notice on the box may be worded somewhat as follows:—

SERVICE IS THE KEYNOTE OF OUR BUSINESS

It has always been our aim to render the best service to our customers. To merit your approval by right methods, good goods, and prompt service. If there is any way in which you think we could serve you better, please enable us to do so by placing your suggestion in this box. Acknowledge all suggestions and pay for those used.

A good deal of capital can be made out of the farmer's sporting instinct. Create the spirit of competition among them and they will "fall" to many little selling stunts which would otherwise be wasted efforts. A chemist doing a business in seeds may offer prizes for the best collection of flowers or vegetables grown from seed supplied; and prizes may be given for the best rural snapshot passed through the D. & P. department. Don't forget that many farmers have children, and that the child of to-day is the buyer of to-morrow. At eight or nine a child develops intelligence and curiosity, reads and studies pictures, and is looking forward. Nurse these future customers, and see that they grow up with the name of the family chemist ever before them. Little gifts such as painting books, table books, balloons, pencils, etc., should be sent to them from time to time. Competitions for children can also be arranged, and photography and wireless appeal to the elder children as well as to grown-ups. Advice on these matters will render a service and generally be productive of business.—HERBERT E. KENDRICK.

B.P. Notes

By "Abel Scholar"

Strength of Ammoniacal Preparations

Preparations such as sp. aeth. nit., which are not stable and are liable to vary in strength, have provision made for the variation. But sp. am. arom. and the ammoniated tinctures are not allowed any latitude for instability and variation of strength. In the ammoniated tinctures there are no official tests to indicate what the ammoniacal content should be. Who is to decide what weight of ammonia gas in grammes shall be present in 100 c.c. of tinct. quin. amm., for example, and what latitude either way should be allowed? A note of warning should appear under each of these preparations indicating that they are liable to variation.

Solubilities

The B.P. description of solid substances with regard to insolubility in water is not uniform. Bismuth. oxid. is stated to be insoluble in water, but under bismuth subnit. no such remark is found. So with antim. oxid. and antim. sulphurat.; calc. carb. precip., but not creta preparata, yet hyd. c. creta is "insoluble in water." Under this heading it would be less misleading if for "a solution of prepared chalk in diluted acetic acid" . . . etc., were used "a solution obtained by adding prepared chalk to diluted acetic acid and filtered." Among others are ferr. carb. sacch., no mention, but ferri phosph. sacch. i. "partially soluble in water." Magnes. carb. pond. and levis are mentioned. Even phosphorus is stated to be "insoluble in water," but sulphur and sulphur precip. are not described. Under traga. canth. appears "sparingly soluble in water, but swelling into a gelatinous mass which may," . . . etc. Zinci carb. bonas and zinci oleostearas have also this character of aqueous insolubility recorded, but not zinc. oxid., yet both oxides of mercury are noted in this particular, as well as the magnes. oxid. Calcii hydras has no reference to solubility at all, but under calx. is given a strong hint as to what one may expect as to its behaviour with water. Why this divergence? As all acetates are soluble in water could not the method of obtaining the test solution of these insolubles be more generally adopted as prescribe for prepared chalk, and saying that "this solution yield not more than the slightest reactions for iron, aluminium, magnesium, phosphates, sulphates, etc.?" It is certainly desirable to state how the substance should be dealt with before the application of the tests for the different suspects. Under magnesii ponderosa it would be better to say, "a white powder, insoluble in water, freed from carbon dioxide by prolonged boiling."

ANNUAL OUTING.—Meggesson & Co., Ltd., lozenge manufacturers, New Church Street, Bermondsey, London S.E.16, inform us that their offices and works will be closed on June 7, the occasion of the annual outing.

Modern Pharmacies

Mr. William Cox's Shop at Saltcoats

Among the well-appointed pharmacies to be found in holiday haunts, one of the best is that of Mr. William Cox, Saltcoats, Ayrshire, recently improved and enlarged. Mr. Cox has original ideas, which he has been fortunate in being able to carry out to a large extent. In his pharmacy, as now completed, the conventional chemists' desk at the window-end of the counter has developed into a little private office. This is found very helpful in the sale, for example, of maternity requirements; it can be used as a fitting-room for elastic stockings and the like; and—not to mention its usefulness for the reception of travellers—the proprietor remains at the head of the counter and has a clear survey of the whole establishment. The counter itself is divided into sections, each for a separate assistant, this also giving individual customers a greater sense of exclusive attention to their requirements; and, while all goods are displayed under glass, the showcases are so arranged that perfumery, for example, is to be found farthest in the interior of the pharmacy, so that a customer making a selection at the counter may not be hustled by purchasers of articles of quicker sale.

THE DISPENSING DEPARTMENT

Dispensing has been made an entirely separate department. Prescriptions are not handed in at the counter, but are taken direct to the open section indicated in our illustration. All inquiries regarding prescriptions are dealt with there, customers thus coming in contact with the actual dispenser; and cash is taken there. This well-appointed department is self-contained; but the plan described is a considerable variation from that of practically segregating the dispensing from the rest of the pharmacy, sometimes regarded as the modern trend. It may be noted that Mr. Cox follows precisely the same practice and procedure in his Insurance dispensing as he does with private prescriptions. He uses distilled water, both, produced in unlimited quantity by a Stokes' still, which is quite automatic. A numbered docket is made out on receipt of each prescription, and a duplicate numbered slip handed to the customer, which must be produced when the medicine is called for. The portion retained reads as follows:—

Name
Address
Prescription
Handed in
Time wanted
Paid To pay Book
Extras
Dispensed by
Checked by

The customer's duplicate contains the name and address of the patient, together with those of Mr. Cox. Unusually complete records are kept of all medicines and pro-

prieties prepared and packed, each entry being signed by maker and checker, and these records forming an index of the yearly turnover in any given item.

THE PROPRIETOR

Mr. Cox gained his early experience in the North of Scotland, and was subsequently in the wholesale, and in the dispensing business of T. R. Lester, Ltd., Cork. He was manager for Boots, Ltd., at Gloucester, for three years, and then for twelve years at their establishment in Glasgow. While there Mr. Cox was a member of the Pharmaceutical Standing Committee (Scotland), from its inception, till 1918, when he retired on leaving Glasgow. Mr. Cox still takes a keen interest, not only in the welfare of the pharmacist, but of the insured, as is evidenced by his correspondence on this subject recently published. He is also Vice-President of the local merchants' association of his thriving little town, which is a popular summer resort.



Ideas

We invite contributions to this Section

Oiled silk stored on a roller, in the same way as waterproof sheeting, is easier to handle and less liable to perish.

* * * *

Dissatisfied customers rarely complain, but transfer their patronage elsewhere, and broken promises are common cause of such transfers.

* * * *

When entering in a prescription book "Not to be repeated," and similar notes, write them in red ink. This ensures their being observed at a glance.

* * * *

Serve customers in their turn as far as possible, whether it be child or grown-up, rich or poor. Many a customer has been lost through failure in the observance of the rule "First come, first served."

* * * *

Almost the only form of publicity which costs the same as before the war is the halfpenny post. Anything which necessitates the use of a postage stamp should not leave the pharmacy without carrying some form of advertisement.

British Pharmaceutical Conference

THE Local Committee of the British Pharmaceutical Conference to be held at Bath from July 21 to July 24 inclusive has issued details of the arrangements made. The following is the official programme:—

Monday, July 21

- 4 p.m. Garden party at the invitation of his Worship the Mayor and the Mayoress of Bath (Councillor and Mrs. C. H. Hacker) in the Sydney Gardens. Civic reception. Bowls match between his Worship the Mayor's team and a team representing the visitors (6 p.m.). Music. Dancing on the lawn. Illuminated gardens. Tennis, etc.

Tuesday, July 22

- 10 a.m. Opening session of Conference at the Guildhall. Official welcome by his Worship the Mayor of Bath. Address by the Chairman, Edmund White, B.Sc., F.I.C. Session of Conference.
- 11.30 a.m. Ladies' excursion to Limpley Stoke Valley.
- 1 p.m. Luncheon at the Pump Room.
- 2.15 p.m. Sessions of Conference. Ladies' excursion to Corsham Court at the invitation of Field-Marshal Lord Methuen, G.C.B., G.C.V.O., G.C.M.G., who hopes to be able personally to conduct the visitors through the grounds, etc.
- 4.30 p.m. Tea on the Roman Promenade.
- 5 p.m. Official photograph of members of Conference.
- 7.30 p.m. Conference banquet at the Pump Room.

Wednesday, July 23

- 9.30 a.m. Ladies' excursion to Sandy Lane, Lacock, etc.
- 10 a.m. Sessions of Conference.
- 1 p.m. Luncheon at the Pump Room.
- 2.15 p.m. Motor tour of the City of Bath and outskirts, historic houses, principal views, etc., for all visitors. Guides will accompany the party.
- 4.45 p.m. Tea in Victoria Park. Visit to the bathing establishment. Demonstration of the treatments will be given. Mr. John Hatton, director of the Baths, will give a short discourse on "The Bath Waters," and will conduct the party. Visit to the Roman Baths under the guidance of Mr. Alfred Taylor, F.S.A., architect to the Baths Committee.
- 7.30 p.m. Concert in the Institution Gardens at the kind invitation of the Baths Committee. Band of the King's Royal Rifles.
- 9.30 p.m. Dance at the Pump Room.

Thursday, July 24

- 9.30 a.m. Closing session of Conference.
- 12.15 p.m. Luncheon at the Pump Room.
- 1.15 p.m. Motor excursion to Cheddar Gorge and Caves. Arrive Cheddar 3 p.m. Depart 5.30 p.m. Tea at the Cliff Hotel, Cheddar.
- 8.30 p.m. Farewell smoking concert at the Pump Room, to be followed by a dance.

Visitors to the Conference wearing the badges will be admitted free to all the municipal concerts, Roman Promenade, etc.

For the convenience of visitors who can prolong their stay, arrangements have been made for Friday, July 25, and Saturday, July 26, as follows:—

Friday, July 25

SPORTS DAY.—Golf on the Lansdown Golf Course (Whitcombe Club). Will those who wish to enter for this be good enough to apply for entry forms and return same before July 17 to A. C. Olds, 13 Upper Oldfield Park, Bath.

Bowls. Sydney Gardens. Applications to be made to Mr. J. G. H. Hawes, 37 St. James Square, Bath.

Tennis. Sydney Gardens. Applications to be made to Mr. G. H. Moore, 29 Belvedere, Bath.

Putting. Sydney Gardens. Municipal concert. Band of the King's Royal Rifles.

Saturday, July 26

Excursions by arrangement. Municipal concerts. Band of the King's Royal Rifles.

Books of tickets covering the entire programme from July 21 to 24 are supplied at £2 2s. Tickets for single days will, if accommodation is available, be issued at £1 1s per day.

It would materially facilitate arrangements if all members would be good enough to send in their application for tickets before July 1. The official programme will be published in the souvenir handbook. Applications for accommodation should be sent direct to the various hotels except in the case of the Grand Pump Room Hotel as to which the joint secretaries should be applied to.

The joint secretaries are Mr. P. J. Thompson, College of Pharmacy, Bath, and Mr. W. H. Hallett, 10 Stal Street, Bath.

Ginseng

THE Canadian Assistant Trade Commissioner, Mr. G. A. Rolf Emery, in the course of an article in "Commercial Intelligence Journal" (Vol. XXIX., No. 1,019), dealing with the opportunities for Canadian products in Hong Kong, states that in 1919 the imports of ginseng into Hong Kong (the assembling and distributing centre for China)—were valued at £714,906; in 1920 a £919,453, in 1921 at £884,765, and in 1922 at £680,067. In each of the years stated the United States supplied over half the demand, with North China and Japan following. Canada is the fourth largest exporter of ginseng to Hong Kong, with exports valued in 1919 at £1,549, in 1920 at £96, in 1921 at £31,716, and in 1922 at £16,117. The grades usually imported into China are "selected" and "good." The importation of "fair" grades are very small, and the shipment of "siftings" are few and far between. These grades are made up of both wild and cultivated roots, with a slight preference for the latter. Such a preference is a new phase of the business, as formerly the wild roots brought the better price, but now the Chinese have become accustomed to the cultivated and their better shapes are bringing about Hk. \$50 per picul more. Of course, the heavier and bigger roots are the more valuable, and those having the form similar to a man, and heavy are fancied above all others. The packing for ginseng, being such valuable cargo, must be very strong. The ordinary packing was in new wooden casks, reinforced, to contain about five piculs (666 lb.) net. On account of the high prices ruling at present, however the large cask is somewhat expensive for the average small Chinese dealer to handle. The buyers now prefer smaller packing, say cases or casks of about 200 lb. net. These cases or casks must be new, and should be reinforced to prevent any possibility of breakage or pilferage or loss of even one root. The casks of ginseng are first opened and inspected by prospective buyers who bid for them. Should the bids prove unsatisfactory and not permit a profit on landed cost, the sale is postponed to a future date, or until there is a better market. At present there is a good demand, and the arrivals of 70 to 100 piculs per month find ready buyers. The prices secured for wild "selected" quality range from Hk. \$4,750 to Hk. \$4,900 per picul, and for wild "good" quality Hk. \$4,450 to Hk. \$4,600 per picul. The "selected" cultivated is bringing Hk. \$50 more per picul than the wild "selected." Under the existing conditions, most of the selling by producers in the United States is done to the Chinese on the west coast, who in turn exchange by barter to Chinese dealers in Hong Kong. For producers to sell direct to the commission houses in the colony, the shipments must be made on consignment. The shippers draw for 60 to 75 per cent of the invoice cost and the undrawn balance is remitted by demand draft or T.T. immediately after the sale is made. By adopting such a method of sale the Canadian producers should receive a greater return, and can secure the bulk of their money almost as soon as in selling to the Chinese of the west coast. So long as the Chinese believe in the medicinal properties of this root the demand will be large and the prices correspondingly high, and these more than offset the difficulty in cultivating the highest-grade roots.

Pharmaceutical Botany

LX. Valerianaceæ—Valerian

reduction of floral members culminates in this. The calyx is almost absent at time of flowering, develops afterwards into a pappus (see below). The calyx corolla remains conspicuous and retains its five lobes, but the stamens number less, there being three in *Valerian* and only one in *Centranthus* (the ornamental valerian). The carpels are three in number, but only one of these, containing a single ovule, is fertile, that the fruit is one-seeded (achene). Thus evolution progressed until each flower sets only one seed at cost of pollen from a single stamen. The individual flowers are small, but the inflorescences are large and conspicuous by their massed effect, usually consisting of whorls of flowers arranged in cymose manner. The thickening of the stem is also cymose, being dichasial or forked appearance known as false dichotomy). *Valeriana officinalis*, Linné, the common valerian (Fig. 192) was one of the two plants in our last Nature Pictures of Medicinal Plants (*C. & D.*, May 10), which bear the various other names of the plant. This portended beautifully the flesh-pink flowers and somewhat

flower (cross pollination). The floral diagram, Fig. 193 C, indicates the two missing stamens and the two barren carpels of the ovary. The single ovule ripens in a one-seeded fruit crowned with feathery developments of the calyx known as a pappus, so that its ripe fruit will float away when the breezes blow. The rhizome is exhausted by the time the fruit is ripe and decays away. The young daughter plants only give a luxuriant crop of leaves the first year, which vary considerably in shape and number, some even being entire. It is from these that good-quality valerian

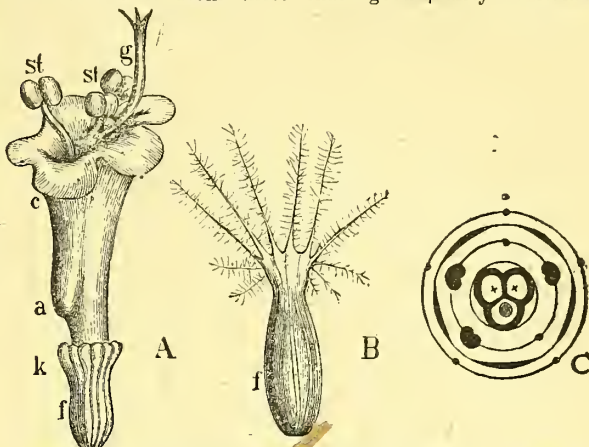


FIG. 193.—A, flower of valerian; f, ovary; k, calyx; c, corolla; a, anther; st, stamens; g, style with trifid stigma. B, fruit with pappus. C, floral diagram of valerian.

rhizome is obtained in autumn. Cultivation really consists in transplanting wild daughter plants selected from valerian dug up in local woods surrounding the Derbyshire villages, which supply most of the English valerian root.

Cultivated valerian rhizome, after washing, is usually sliced to facilitate drying. The rhizome proper is conical, about $\frac{3}{4}$ in. long and $\frac{1}{2}$ in. across. The rootlets are shrivelled, yellowish-brown in colour like the rhizome, and often broken owing to their brittle character. The taste is camphoraceous and bitter, but the characteristic odour only develops on keeping. The constituents and uses of valerian root were given in our issue of May 10 (p. 663).

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of British patents can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Soap Substitute.—A toilet preparation consisting of 80 per cent. of a pre-cooked farinaceous meal and 20 per cent. of olive oil. (E. K. Thomas. 214,893.)

Insecticide.—A method of obtaining an extract from fresh derris root, etc., for use, in powder form, as an insecticide, vermifuge, and sheep dip. (E. Bagnall-Bull. 214,822.)

Bismuth Salt Emulsions.—A process for the manufacture of stable, homogeneous oily emulsions of bismuth salts consisting in dissolving the bismuth salt of a higher fatty acid in a volatile organic solvent, adding the oil to be used as the vehicle, and removing the solvent by distillation. (F. Hoffmann-La Roche & Co., A.G. 206,487.)

Rheumatism Lotion.—A process for preparing a remedy for the treatment of rheumatism, consisting in successively adding, with boiling, to sesame oil: ferric chloride, barium sulphate, lithium carbonate, chloroformed strontium nitrate (obtained by mixing one part of strontium nitrate with 10 parts of chloroform and heating until a precipitate is formed) and a physiological saline solution of ferments of saprophytic bacteria. (I. Rahlejer. 193,024.)



FIG. 192.—VALERIANA OFFICINALIS.

light-green leaves of this shade plant. It occurs quite commonly in Great Britain in moist places such as sides of ditches or in damp woods. It is widespread throughout Europe and Northern Asia. The wild plant exists in several divergent forms, according to the situation in which it grows; thus cultivated valerian root is obtained from var. *Mickauii*, Syme, growing on limestone, and *Sambucifolia* on the coal measures (this latter has larger and broader segments to its leaves). Valerian persists through the winter by means of the short, thick underground rhizome, which forms the valerian root of commerce. [Most of the numerous slender members developed laterally are true roots, but there are usually a few short branches ending in a daughter plant. (Fig. 192, left at bottom.)] In spring this rhizome sends up an erect stem two to three feet high, bearing pinnate leaves with nine or more leaflet segments (each one to three inches long), and bearing pink flowers in broad terminal corymbs during June to August. The calyx is adherent to the ovary (pericarp), but the limb remains rolled up (Fig. 193 A). The corolla has a short tube bulged (but not spurred) on the side with a nectary. There are three stamens, which in turn to shed their pollen and bend back out of the way when the anthers are empty. After this the trifid stigma expands to receive pollen from another

Pharmacy Reform in Brazil

THE spirit of reform is at present very much in evidence in Brazilian pharmacy, and recent legislation promises to improve materially the status of pharmacists in that country. This is undoubtedly largely due to the very effective work carried out by the Brazilian Association of Pharmacists, which celebrated, with due ceremony, at the beginning of the present year the eighth anniversary of its foundation. However, not content with the progress so far achieved, the Association is now devoting its energies to the realisation of further reforms. The Brazilian pharmacist receives his professional education in the pharmaceutical faculty of one of the universities, which he leaves on obtaining his diploma. Unfortunately, although well equipped with scientific knowledge, he enters on his professional career with no practical or technical experience of his work. The absence of a term of apprenticeship proves a serious drawback, particularly in his dealing with the public, and constitutes a *lacuna* in the professional curriculum. Therefore, a movement is on foot to make a term of apprenticeship a compulsory part of the pharmacist's education, as is the case in other countries. In this connection it is interesting to note that the regulations of 1631, issued in the days when Brazil was a Portuguese colony, required of a druggist the completion of four years' practical work in a pharmacy prior to the granting of the necessary qualification to open a drug shop.

NATIONAL PHARMACOPEIA

Brazil does not as yet possess a national pharmacopœia, and the French Codex is the official standard. The latter by no means meets the special requirements of a country like Brazil, and for long it has been felt that a country which has existed for over 400 years, and which for over a century has possessed political independence, should have its own pharmacopœia. It is no secret that the French Codex is little used in practice, with the result that a state of anarchy exists as regards the standards actually adopted. At the first Brazilian Pharmaceutical Congress, held in 1922, Senhor R. A. Dias da Silva, one of Brazil's leading pharmacists, presented the draft of a national pharmacopœia, the result of ten years' assiduous labour. This draft received the approval of the Congress and a Commission was appointed to study, and, if necessary, revise the work. Now the proposal has been made that the Government should officially appoint a Commission to elaborate a national pharmacopœia, to give effect to the promise held out in Article 252 of the new Health Decree, and there is every prospect that this proposal will shortly assume a concrete form.

DANGEROUS DRUGS

With the beginning of the present year the Minister of Justice issued regulations giving effect to the decree of 1921 (Hague Opium Convention) regarding the traffic in dangerous drugs, introducing the system of licences, and the keeping of registers, upon the same lines as have been adopted by other countries.

NEW PHARMACY LAW

The creation of a National Department of Public Health by a decree dated December 31, 1923, marks a very important innovation. This department is entrusted, *inter alia*, with the administration and control of all matters pertaining to the exercise of the medical, pharmaceutical and dental professions; in addition, the control of pharmaceutical specialities, and also of serums, vaccines, and other biological products, falls within its sphere of activity. A pharmaceutical laboratory will be attached to this department, in which the necessary analyses in connection with the inspection of pharmacies and supervision of new medicaments, etc., will be carried out, including the control over pharmaceutical specialities, while the examination and standardisation of biological products will be entrusted to the Oswaldo Cruz Institute. This decree codifies the laws regulating the exercise of the pharmaceutical profession, and several

of its provisions are of general interest. The principal features may be summarised in the following *résumé*:—Medical practitioners are forbidden to indicate on their prescriptions a special pharmacy. The simultaneous exercise of the professions of medicine and pharmacy is prohibited, nor can both titles be held by the same individual. Medical practitioners who own a clinic are not permitted to be partners in the ownership of a pharmacy. Medical men are permitted to prepare only such remedial agents as require for their manufacture extra-pharmaceutical knowledge, e.g., serums, vaccines, organotherapeutic products, etc., provided the manufacture of these preparations is carried out in a properly equipped laboratory, duly licensed by the National Department of Public Health. No pharmacist is permitted to manage more than one pharmacy, nor to engage in any other form of professional activity. Prescriptions must be legibly written out in full in Portuguese, stating the name and address of the patient as well as that of the prescriber. To open a pharmacy, or a laboratory for the manufacture of pharmaceutical preparations, a licence must be obtained from the National Department of Public Health, and the new business must satisfy certain requirements as to equipment, lighting, size of the premises, etc. If the actual proprietor of the business is not a pharmacist, for instance, a company, a contract must be entered into with a qualified pharmacist and registered with the Department. Every pharmacist is obliged to keep two books, in one of which all prescriptions have to be entered in full, under a serial number, together with the name and address of the prescriber and also of the patient; in the other book, all purchases and supplies of toxic substances have to be entered. Following the example set by certain European countries, and recently adopted by Italy (*C. & D.*, March 1, p. 312), the prescription itself, and the name of the prescriber, have to be copied in full on the label affixed to the container in which the medicine is delivered. If necessary, special labels are to be affixed bearing the words (in Portuguese): "Poison," in green; "External Use," in red; and "Shake before Use," in black letters upon a white ground. All containers in which medicines are delivered to the public have to be sealed; the seal, which must bear an imprint with the name and address of the pharmacist, has to be so affixed that if the packet is tampered with, this would be at once apparent. In view of the responsibility which rests on the pharmacist in dispensing prescriptions calling for "dangerous drugs," it is extremely interesting to note that a provision has been inserted tending to facilitate his task in determining the genuineness of such prescriptions—namely, the National Department of Health will draw up every month a list of medical men who have qualified, and have been duly licensed to practice within that period, and a copy of this list will be sent to every pharmacist. Article 252 provides that official preparations have to be made up in accordance with the French Pharmacopœia, pending the publication of a Brazilian Pharmaceutical Codex, which shall then become the official standard, unless the prescriber indicates some other pharmacopœia. Should a doctor wish to prescribe an "abnormal" dose of some substance, he must indicate that he is conscious of doing so by underlining the amount in question, or by a remark to that effect on the prescription.

PHARMACEUTICAL SPECIALITIES

Articles 255 to 258 regulate the sale of proprietary preparations. The sale of antiseptics, disinfectants, medicinal specialities, and new remedies requires a licence, for which application must be made by a qualified pharmacist to the National Department of Public Health. In this application the composition, method of preparation, and applications of the preparation have to be disclosed; at the same time, a sufficient quantity of the product must be supplied to permit of a control analysis. The formula must be stated on the label, giving the amounts present of the principal ingredients, also the date and number of the licence, and name and address of the manufacturer. Further, the National Department of Health will decide what claims or statements may be

made on the labels, and in the prospectuses and advertising matter issued in connection with each preparation of this category. In the case of new chemical products for therapeutic use, their characteristics and method of determination and assay must be described. The following definition is given of what constitutes a "new remedy":—(1) Pharmaceutical preparations containing a substance hitherto unknown in medicine; (2) or presenting known drugs in a new combination; (3) or requiring for their manufacture a new process. The introduction of alterations in the formula of a known preparation, rendering it more effective or facilitating its use, is designated in Article 257 as an "improvement," but before an "improved" preparation may be offered for sale, an application for a licence must be submitted to the Department, which has to decide whether the changes justify the claim to having effected a real "improvement." The manufacture in Brazil of duly licensed pharmaceutical specialities of foreign origin may be undertaken only by a qualified pharmacist. Article 267 is interesting—it forbids the issue and sale of toxic substances destined for preparing antiseptic solutions for external use, solutions for photographic work, etc., in tablet form, and requires that they shall have a cylindrical or other form distinguishing them from medicinal preparations intended for internal administration. Finally, mention may be made of the provision that requires foreign manufacturers of drugs for pharmaceutical use to appoint a responsible representative, having his residence in the capital, and empowers the Department to prohibit the clearance through the customs of products consigned to Brazil by firms not having a recognised representative in that country. The same applies to goods deemed unfit for pharmaceutical use, which must be re-exported within a period of three months. Heavy penalties are provided for infringements of the various provisions of this decree, which, as will be seen from the foregoing, fixes in detail the duties of the Brazilian pharmacist.

The Chemists' Library

I BEGIN by disclaiming any sort of interest in the controversy as to who is and who is not entitled to the name of chemist. I use it here as the appellation of those members of our community who compound prescriptions and sell poisons, sponges, tooth-brushes, drugs, soaps, and a thousand other articles. And, to define the library, I mean those books on his shelves which directly touch the distinctive aspects of his calling, those which have to do with the tangible and practical side of medicine. I suppose I shall be expected to put the British Pharmacopoeia in the place of honour. I confess that I do so only because it is the official authority to which we owe allegiance. Apart from that, it is certainly one of those "books which are no books," that Charles Lamb hated so. It is a mine of information—of a kind. It is dogmatic, precise, accurate, authoritative, and miraculously dull. Indeed, if any one volume in the world has fairly and justly earned the description "dry-as-dust" it is the B.P. The only gleam of humour I can find in it is strictly of the unconscious type. It solemnly assumes that the metric system of weights and measures is in practical use on every dispensing-counter, knowing full well that it is not. No doubt it is in every way a better, easier, and more ordered way of weighing, measuring, and computing than our own. But the fact remains that it is not our own—yet.

So let us take down the next-door neighbour to it, "Squire's Companion." We find this is a book. All the information is there, but it is all illuminated by the kindly light of human interest. The B.P. says "These things are so." Believe—and yawn! "Squire" has a more excellent way: "These things are so, and I will explain why." The B.P. is the dry and dusty road, and nothing more. "Squire" takes you along the same road and invites you every now and then to leave it and ramble by the footpaths into the pleasant places which border it on either side. You have often encountered that favourite torment of the inquisitive, "If you were cast

on a desert island with only one book, what book would you like it to be?" Well, if I were condemned to pass all my working hours at the dispensing-counter with only one book as a guide, philosopher, and friend, I should certainly say: "I'll take 'Squire'!" I hasten to add that I should plead hard to be allowed two books instead of one; because, after all, "Squire" is only "primus inter pares," and "Martindale and Westcott" treads close on his heels.

These two, with the "Art of Dispensing" added, form, as I think, the "irreducible minimum" of the chemist's library. Without them he is a ship without a compass or a rudder. So far as his duties and qualifications have been defined by our legislators, his library is now both indispensable and complete. But he knows that he cannot be expressed by any short formula, and that his interests, if he consults them wisely, lead him into a wider stretch of country than the Acts of Parliament have mapped. He knows that the science and the laws of chemistry form the base on which the edifice of his craft is built. So he will add at least "Attfield." And why not a manual of analytical chemistry such as "Muter"? He may not get much analysis to do, but he is sure to get some; and the more he knows of it the more he will get. He may not think that the physics of chemistry are much concern of his, and that therefore Walker's "Physical Chemistry" would be in the nature of a luxury. Perhaps so, but he would find it a very fascinating book.

It would be interesting to know how many of us picked up in our student days sufficient interest in botany to retail it and improve upon it later on. It is, I think, rather the rule than the exception to find that, as a class, we are more or less flower-hunters, to put it at its lowest. And so, I think also, it will be fitting that "Bentley" or "Lowson" should rub shoulders with the other books.

There is no sort of doubt that materia medica does concern us very closely; and we shall feel that we want something more than "Squire" and "Martindale" can give. To choose from there are "Lauder Brunton" (a classic), "Cushny" (quite modern and in every way excellent), "Hale White," in smaller form and less costly, "Southall," and others. At a moderate price I have found "Hale White" as complete, pithy, and well-arranged as the most critical could wish. Of course, he ranges outside materia medica into the debatable ground of therapeutics and pharmacology. Even so, since it is a fact, which no amount of debating can alter, that chemists have been, are, and will be often consulted as to the treatment of the lesser ills that flesh is heir to, it behoves them to know all they can of the action of medicines on the human economy, if only because the more they know the better equipped will they be to discern the line between what they may rightly and reasonably undertake by way of prescribing, and what it would be unfair and unwise to profess or to attempt.

Photography is so almost universally a side line with us to the extent of the sale of plates, films, papers, and apparatus, and the preparation of developers, toning and fixing, intensifying and reducing baths and the like, that some sort of knowledge of how and why and what is indispensable. Here the choice of guides is bewildering. Personally, I incline to think that of the cheaper series the "Ilford" manual is one of the best. E. J. Wall's "Dictionary of Photography" is a veritable treasure-house, and two of the larger works which have achieved well-earned popularity are by Chapman Jones, "Photography of To-day" and "Science and Practice of Photography." A few other books should find place on the shelves for obvious reasons. THE CHEMIST AND DRUGGIST series is so well known that only the merest mention is needed. "Veterinary Practice," "Urine Testing," "Diseases and Remedies," "Pharmaceutical Testing."

These cost very little and are more than worth it. I conclude with a few titles which I should miss sadly from my own collection: Thompson's "Compendium," Lucas's "Book of Prescriptions," Squire's "Pharmacopoeias of the London Hospitals," and Bayley's "Chemist's Pocket Book."

THE CHEMIST AND DRUGGIST

RETAIL PRICE LIST

based on definite costing principles

THE prices given below are in addition to those in the *C. & D.*, May 10, p. 664, and enable chemists to revise the *C. & D.* Retail Price List up to June 1. During the month prices have been inclined downwards, but as in most cases the amounts are small, and can best be carried through in the quarterly revision, only the important changes are shown. Several alterations will be noticed in the specialities of Knoll & Co. The index figure for drugs is 159.3, against 160.3 in the previous month, the fall being in synthetics, which is nearly offset by the increase in cascara. In surgical dressings there is no change from the previous figure of 250.3.

	Cost		Selling Price (solid or liquid)				
	1 lb. or as stated		16 oz.	4 oz.	1 oz.	1 dr.	Gr. or M
Acid. benz. syn. ..	7 0	—	3 0	0 10	0 2	—	s. d.
Ammon. benz. ..	7 0	—	3 0	0 10	0 2	—	
Amyl. nit. cap. M3 doz.	2 2	doz.	4 0	—	—	—	
Arseno-triferrin B oz.	3 6	—	—	—	1 0	—	
Arseno-triferrin tabs. gr. 5 B 30	2 0	doz.	1 3	—	—	—	
Bromural .. oz.	8 0	—	—	—	2 4	—	
Bromural tabs. gr. 5 20	2 9	doz.	2 6	—	—	—	
Cera alba in plac. ..	2 10	4 3	1 3	0 4½	—	—	
Cera flav. exot. ..	2 6	3 9	1 2	0 4	—	—	
Cetaceum ..	3 2	4 9	1 5	0 5½	—	—	
Cl. inosol .. oz.	4 0	—	—	—	1 2	—	
Codeina .. dr.	5 9	—	—	—	10 2	0 3½	
Codein. phosph. dr.	4 8	—	—	—	8 2	0 3	
Codein. hyd. .. dr.	4 11	—	—	—	8 8	0 3½	
Codonal tabs. 10	2 0	doz.	3 7	—	—	—	
Diamorph. hyd. dr.	5 6	—	—	—	9 9	0 3½	
Digipuratum liq. 10cc.	1 9	—	—	—	1 7	—	
Digipuratum tabs. 12	2 0	doz.	3 0	—	—	—	
Diuretin .. oz.	3 6	—	—	—	1 0	—	
Euresol .. oz.	3 9	—	—	—	1 1	—	
Euresol pro capil. oz.	4 9	—	—	—	1 5	—	
Ext. casc. sag. sicc.	15 0	—	6 5	1 10	0 4½	—	
Ext. casc. sag. liq.	3 8	6 0	1 10	0 7	0 1½	—	
Ferropyrin .. oz.	3 6	—	—	—	1 0	—	
Hydrarg. ammon. ..	7 3	—	3 2	1 0	0 3	—	
Iodival pulv. .. oz.	8 0	—	—	—	2 4	—	
Iodival tabs. gr. 5 20	3 9	doz.	3 5	—	—	—	
Lenigallol .. oz.	3 6	—	—	—	1 0	—	
Lin. hydrarg. ..	5 3	—	5 0	1 4	0 3	—	
Luminal B oz.	12 9	—	—	—	3 7	—	
Luminal, sodium B oz.	14 3	—	—	—	4 0	—	
Luminal tabs. gr. 1½ B 100	8 6	doz.	1 7	—	—	—	
Morphin. hyd. dr.	4 1	—	—	—	7 0	0 3	
Optannin pulv. oz.	1 9	—	—	—	0 6	—	
Paracodin tabs. 20	2 0	doz.	1 10	—	—	—	
Santyl caps. .. 30	3 9	doz.	2 3	—	—	—	
Santyl liq. .. ½ oz.	3 9	—	—	—	2 2	—	
Styptol tabs. .. B 20	2 4	doz.	2 1	—	—	—	
Styracol .. oz.	5 0	—	—	—	1 5	—	
Syr. glyceroph. c. form. B.P.C. ..	2 9	5 6	1 9	0 6	—	—	
Tannalbin tabs. 20	1 3	doz.	1 2	—	—	—	
Ti. ferrin .. oz.	3 6	—	—	—	1 0	—	
Triferrin tabs. 30	2 0	doz.	1 3	—	—	—	


Advertising Ideas

A Prescription Service Leaflet


THE subjoined sketch conveys a general idea of spacing suitable for the matter suggested. Printers should be instructed to leave a sufficiently wide margin outside the frame.

SMITHSON'S


PRESCRIPTION SERVICE



Prescription No. 10



NOTE



Get them from
SMITHSON'S
The Prescription Chemists,
HIGHEST ST., COOKTOWN.

(A) Most people have a good prescription for their pet complaint. If you have one hidden away in some odd corner, turn it out and let us dispense it for you with the very best ingredients. If not, we are ready to make up a remedy for you from our extensive collection of reliable prescriptions, some of which we are publishing from time to time. By cutting out these advertisements you will soon have a collection well worth keeping.

(B) PRESCRIPTION No. 10

A well-known physician's prescription for spring and summer lassitude, debility, loss of appetite, nervousness, etc. —

Liquid extract of cinchona bark m5
Dilute phosphoric acid m5
Tincture of nux vomica m3
Fresh infusion of gentian to ½ oz.

in each dose. To be taken thrice daily. Dispensed for 1s. 6d. Family size, 3s. 6d.

(C) NOTE.—This week we are making a special offer of waterglass for egg preserving. 4-lb. tins. Price —; 3 tins for —.

Wills

MR. FRANCIS CHARLES NEVE, Ph.C., 22 The Drive, Tonbridge, who died on February 15, left estate of the gross value of £3,783 17s. 10d., with net personality £3,703 9s. 9d.

MR. JAMES HENRY KENWORTHY, manufacturing chemist, 136 Peel Street, Rochdale, who died on October 18, has left property of the value of £17,608 10s. 9d., with net personality £15,226 4s. 6d.

TRADE WITH SWEDEN.—British trade with Sweden has increased during 1923, during which year Sweden was the seventh largest seller and the sixth largest buyer among European countries, compared with the eighth position in both respects in 1922. On the other hand, the United Kingdom was the largest buyer of Swedish goods.

Personalities

MR. F. A. HARDING, chemist and druggist, having presented the necessary diplomas to the Royal Court of Jersey, has been granted permission to practise pharmacy in the island.

MR. A. C. SEWARD, F.R.S., Sc.D., professor of botany in the University of Cambridge since 1906 and Master of Downing College, has been elected Vice-Chancellor of the University for the ensuing year.

MR. H. C. ALLEN has resigned the directorship he has held since 1920 with Hooper, Struve & Co., Ltd., and has joined the board of Allan's Advertising Service, Ltd., 3 Queen Square, London, W.C.1.

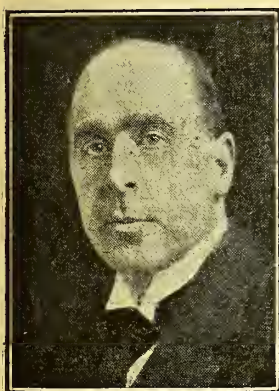
THE preservation of fruit and vegetables on a method devised by Mr. L. A. West, chemist and druggist, High Street, Dartford, is the subject of a brief note in the "Bexley Heath Observer," of May 30.

MR. JIRO SAKABE, president of Sakabe & Co., Inc., manufacturers of toilet brushes, Osaka, is attending the International Labour Conference at Geneva on June 15 as official delegate for the Japanese Government. Mr. Sakabe will afterwards visit London.

MR. S. W. HAGUE, chemist and druggist, this year's President of the Cardiff Pharmacists' Association, is a native of Lincoln, where he served his apprenticeship to his brother, Mr. John Hague, J.P., Mayor of the city for the current year. Mr. Hague next became an assistant to Mr. C. Fargher, chemist and druggist, Cardiff, and in 1914, after further experience in London, commenced business in Cardiff on his own account. Since then he has taken an active part in pharmaceutical affairs, with the able assistance of Mrs. Hague. Among the other offices which Mr. Hague holds are those of secretary to the local branch of the Pharmaceutical Society, and similar positions in connection with the Cardiff and District Branch and the South Wales and Monmouthshire Group Executive of the Retail Pharmacists' Union. Apart from controlling two pharmacies in a busy part of Cardiff, he gives his services as an accomplished vocalist at many religious, masonic, and other functions, and in his leisure hours takes recreation in the form of motoring.

MR. H. W. THOMAS, chairman of Smith, Stanistreet & Co., Ltd., Calcutta, sailed for England in the s.s. "Madura" on May 2. We understand that he intends to put in a fair amount of time at the British Empire Exhibition. His address while in England will be c/o Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.

PAST and present members of the Pharmaceutical Society's staff met at Bloomsbury Square, on May 30, for the purpose of making a presentation to the assistant secretary, Mr. A. J. Chater, on his retirement. Among those present was Mr. Richard Bremridge. After tea Sir William Glyn-Jones handed to Mr. Chater, on behalf of the subscribers, a handsome gold signet ring and gold sleeve-links with monogram for himself, and a brooch for Mrs. Chater. In expressing his thanks, Mr. Chater made appreciative reference to the harmonious relations that had always subsisted between past and present members of the staff and himself, and assured them that when he said farewell it did not mean a final parting of the ways as to their comradeship.



MR. S. W. HAGUE

Among members of the drug and allied trades present at the King's birthday luncheon of the Royal Warrant Holders' Association, held in London on June 3, were Mr. A. R. Arrowsmith (the Apollinaris Co., Ltd.), Mr. L. H. Hartland-Swann (Lever Brothers, Ltd.), Mr. Robert Pears (A. & F. Pears, Ltd.), Mr. W. E. Booth (A. & F. Pears, Ltd.), Mr. W. R. Collins (D. & W. Gibbs, Ltd.), Major E. Leonard Cook (Edward Cook & Co., Ltd.), Mr. H. T. Morey Attwell (Edward Cook & Co., Ltd.), Captain Ralph Gosnell (John Gosnell & Co., Ltd.), Mr. W. H. W. Idris (Idris & Co., Ltd.), and Mr. F. A. Lawman (Vinolia Co., Ltd.).

THE King's birthday list of honours includes the following additions of names to the classes mentioned:—Order of Merit, Sir Charles Sherrington, M.D., D.Sc., President of the Royal Society; Baronet, Sir Humphry Rolleston, M.D., President of the Royal College of Physicians; Knight, Mr. G. Bellhouse, chief inspector of factories, and Mr. Benjamin Hawkins, solicitor to the Board of Customs and Excise; K.B.E., Mr. C. H. L. Neish, registrar of the Privy Council; C.B.E., Mr. E. A. Liddbury, assistant secretary to the Board of Customs and Excise, and Mr. W. C. D. Prendergrast, M.D., "in recognition of his services in combating lead poisoning." In commenting on the list as a whole, "The Times" of June 3 pointedly calls attention to "the comparatively modern tradition that Civil servants are entitled, almost as of right, to certain titular distinctions after regular periods of service, so that promotion in the orders of chivalry may almost be said to depend rather upon rises in salary than upon any special achievement."

Births

Notices for insertion in this column must be properly authenticated.

WOOD.—At 245 Woodborough Road, Nottingham, on June 1, the wife of W. Frost Wood, chemist and druggist, Dame Agnes Street, of a daughter.

Deaths

COLE.—At "The Limes," St. Helier, recently, Mr. George Cole, retired chemist and druggist, for many years in business at 4 King Street, aged seventy-nine.

PITTUCK.—At Stratford Grove, Heaton, recently, after a lengthy illness, Mr. Frederick William Pittuck, chemist and druggist, aged seventy-three. Mr. Pittuck carried on a business for many years in High Street West, Wallsend, and previously in Hebburn.

REEKIE.—At Kingarth, Hamilton, Lanarkshire, on May 30, Mr. Balfour Reekie, chemist and druggist. Mr. Reekie, who qualified in 1891, carried on business at Hamilton for a long period. Mr. Reekie was closely associated with the administration of the Insurance scheme from its institution in 1911: he filled the office of clerk to the Hamilton Pharmaceutical Committee, and was a member of the corresponding committee for Lanarkshire, of the General Council of Panel Chemists, and of the Scottish Pharmaceutical Standing Committee. He resigned from the last-named body two years ago, for reasons of health, to the great regret of its members. The funeral, which took place on June 3, was largely attended. Among those present were Sir Henry Keith, Provost of Hamilton, and Dr. Tait (representing the North British Executive).

THE export duty levied in the Dutch East Indies on rubber, cinchona and quinine will be abolished on August 16. The export duty on pepper and copra will continue in force.

BRITISH EMPIRE EXHIBITION.—We learn that many employers, among whom are Sangers, Euston Road, London, N.W., are sending all the members of their staffs to the British Empire Exhibition, giving them a day's holiday for the purpose and paying their expenses.

Trade Notes

A. & F. PEARS, LTD., 71-75 New Oxford Street, London, W.C.1, have been appointed toilet soap makers to H.M. the King of Siam.

F. W. BERR & Co., 1 Fenchurch Avenue, London, E.C., intimate that their telephone number has been changed to Avenue 9362 (six lines).

"OSMO" KAOLIN (MORSON), a new material for dusting powder, etc., which has been referred to in the *C. & D.*, is now sent out in boxes ready for retailing at 2s. 9d. The sole agents for this are Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

ESSENTIAL OILS AGENCY.—Arthur Branwell & Co., Ltd., 43-5 Great Tower Street, London, E.C.3, have been appointed sole selling agents in the United Kingdom for Scagliola & Romeo, Via Nino Bixio, Reggio Calabria, Italy, manufacturers of the Medusa brand of essential oils.

HELPING RETAILERS.—The National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W.1, have inaugurated a "merchants' service department, which is prepared to give free information concerning problems that may arise in any retail charge. The "service" is not confined to users of National cash registers.

NEW CATALOGUE.—The Surgical Hosiery Co., Ltd., Russell Street, Nottingham, have issued a new catalogue of the surgical appliances which the company make. It is a 48-page list with illustrations and prices of elastic stockings, belts, trusses and suspenders. There are also given plain directions for measurement required in the case of elastic goods and body belts.

WHITSUNTIDE HOLIDAY.—Allen & Hanburys, Ltd., inform us that their Bethnal Green premises, London, E., will be closed on June 9: Small urgent orders can be executed at 7 Vere Street, W.1.—Burge, Warren and Ridgley, Ltd., druggists' sundriesmen, London, E.C.1, inform us that their premises will be closed from Saturday, June 7, until Wednesday morning, June 11.

BRITISH DYES.—The "Luton" straw-hat dyes made by Whitaker & Co., Kendal, are issued in a large variety of colours to meet the annual changes in colour fashion. A new colour pattern book has just been produced in which are pieces of straw plait dyed with twenty-four of the newest shades of Luton straw-hat dye. Any chemist who applies will be supplied with a copy of the new pattern book.

FORMAMINT TABLETS.—Referring to the note in the *C. & D.* last week, Matthews & Wilson, Ltd., 6 and 8 Cole Street, Borough, London, S.E.1, send us a sample bottle of their formamint tablets. For these no proprietary rights are claimed, and the bottles are supplied with the retailer's name and address printed on the label. A show-card with a specimen bottle attached is sent out with orders for three dozen and upwards.

MANCHESTER CHEMISTS' EXHIBITION.—This successful provincial exhibition for chemists is to be held in the City Hall, Manchester, from September 29 to October 4. Two years ago the first of the series attracted considerable attention and was supported by the Manchester Pharmaceutical Association, which is again extending its patronage to the exhibition. It will be remembered that a propaganda stall was provided by the Association on original lines. The organisers of the exhibition are the Provincial Exhibitions, Ltd., City Hall, Manchester, to whom applications for space should be sent.

"C. & D." OFFER.—Henry J. Smith (Chemists), Ltd., 2 Stanley Road, Acton, London, W.3, are introducing Salzium, a new bath salts, which has unique features that recommend it for sale by chemists. The salts are radioactive through the incorporation of a definite proportion of pitch blende, this, and the idea of incorporating eau de Cologne as a not too pronounced perfume, make good talking points when introducing Salzium to customers. The company make in this issue a special offer to *C. & D.* readers, which is set forth in the advertisement. Salzium retails at 1s. 9d. in packages which are good value for money.

Westminster Wisdom

By the "C. & D." Parliamentary Representative.

THERAPEUTIC SUBSTANCES BILL

This Bill, which has been read a third time in the House of Lords, was on May 29 sent down to the House of Commons. The Bill has not yet been placed on the orders of the day.

REPARATION DYES

In the House of Commons, on June 3, it was stated that the value of reparation dyestuffs received by the British Government since the commencement of deliveries is as follows:—

Financial year	£
1920-21	549,094
1921-22	85,157
1922-23	31,300
1923-24	194,042

The gross amounts received for the sales of dyestuffs were:—

Financial year	£
1920-21	330,925
1921-22	370,721
1922-23	387,311
1923-24	343,661

The total amounts of commission and all other charges incurred in disposing of the dyes (including freight from Germany and storage) were:—

Financial year	£
1920-21	78,170
1921-22	52,449
1922-23	47,768
1923-24	40,001

TREATING FOOT AND MOUTH DISEASE

Dr. Chapple asked the Minister of Agriculture, on May 29, whether the experimental treatment of foot and mouth disease which broke out in the herd of cattle belonging to Mr. S. C. Lindsay, of Aitkenbrae, in Ayrshire, was successful; and, if so, whether any recognition of the fact was sent to Mrs. Thomson, of Annan, who provided the remedy?

Mr. Buxton replied that the animals affected with foot and mouth disease on the premises of Mr. S. C. Lindsay, of Aitkenbrae, Ayrshire, were treated at the request of the owner by a lady who is not, he understood, a qualified veterinary surgeon. There are many remedies known to the department for the treatment of foot and mouth disease. There have been other cases in which it has been decided to isolate affected animals, and in which the owner has been given facilities for the treatment of the animals if he so desires, subject to proper precautions as regards, the disinfection of the person so employed on leaving the premises. There was, therefore, no occasion which called for special recognition on the part of the Ministry, but we are aware of the services which have been rendered in these cases.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

B/275. Bazzi Bianchi Phonendoscope (original make)	S/26. Marshall's Soap
S/46. Bryne	K/285. Mixture Anthelmintic (Chapman)
M/46. Cranston's Foot Cream	B/56. Petroleum jelly, packed in glass jar by R.M.S.
B/46. Delala Rheumatic Cure	S/46. Rhynodar
B/46. Fleurs de Mimosa (Miralys)	B/26. "Snugfit" eye bath
S/46. Fruitolax	S/46. Stella
S/26. Lactothymol	C/26. Tegudem Ichthyol (L2)
S/26. Lansoyl	A/26. Terpocain (or Torpocain)
P/36. McKenzie's Pile Ointment (London supply)	

Observations and Reflections

By Krayser II.

Your Masterly Review

of the question of pharmacists in the Army (*C. & D.*, May 31, p. 765) and the abortive attempts of the Pharmaceutical Society's Council to get them placed upon a footing commensurate with the importance of their service will, it is to be hoped, not suffer the usual fate of weekly journalism, which is, at the best, to be read and forgotten. A more damaging exposure of official dilatoriness and incompetence to seize opportunity when it arises was never made, and the "shallows and miseries" into which we have drifted through their failure to take the tide at its flood are so shown as to be a standing rebuke which should have some effect upon their future action. So far as this particular matter is concerned, the time for effective action has gone by, but it is not too late to learn from their failure therein; a bolder and more alert attitude with regard to current affairs in general, and especially in defence of our rights as a chartered body, is what the critics of the Society have always demanded, and have always been accused of disloyalty for demanding. The necessity for such criticism was never more convincingly demonstrated.

In Reply to Mr. Downing

the President stated, at the annual meeting of the Pharmaceutical Society, that, although the Society, as such, contributes nothing to the Benevolent Fund, it charges no administrative expenses to the Fund, and thus is virtually, though not nominally, a contributor to it. I wonder what these administrative expenses amount to per annum? The Fund is ostensibly administered by a Committee of the Council, which is not paid. I presume a good deal of the work is done by the secretariat, and is therefore paid for, but are the secretary and his clerks paid any more on account of this work than they would be without it, and, if so, how much? Until these questions are answered the President's reply cannot be accepted as final. Moreover, I find, on referring to the financial statement presented in April, that the sum of £202 2s. 4d. was last year charged to the Fund under the head of stationery, etc. and surveyor's expenses and charges. Are these, or any part of them, administrative expenses, or are they not? Literally, perhaps not, but they are expenses connected with the Fund and paid out of it. I hope sincerely that contributors to the Fund will not let the matter rest where it is. In view of its charter, the Society is under an obligation to contribute directly to the Fund.

"Mugwump"

confirms what I said of the damping effect of the *bloc* system of appeal on behalf of retiring members of Council. This is, indeed, the moral of the late election. Mr. Marns makes another point which, if common sense ruled, would have been unnecessary, but to which our present stupid practice gives importance. A good many chemists no sooner see a list of candidates out than they sit down and send off their selection; many of these make a practice of voting for the new men whoever they may be. Hope, we know, "springs eternal in the human breast," and the hope that an infusion of new blood may "redress the balance of the old," though so invariably disappointed, seems never to die. The fact is, that our electoral system is so devised that radical changes in the Council are almost impossible. This may be all for the best; but however that may be, the only sensible way for the individual voter is to be guided in his choice by what he has seen or heard of the personal character and record of the respective candidates, and this, as "Mugwump" has found, does not usually amount to much.

The Dental Board

when it can spare time from the investigation of charges of unprofessional conduct, would do well to turn its attention to the position of Insurance

patients in relation to dentistry. A great deal of the illness suffered by these, for which they get treatment under the terms of the Act from panel doctors, is directly traceable to their teeth, and can be effectively treated by dentistry alone, or, at least, cannot be effectively treated without dentistry. Several cases of this kind have occurred within my knowledge during the last few weeks. In one case—that of a domestic servant—several teeth had to be extracted, and new ones put in, the total cost being £6 10s. Towards this the Society through which she is insured contributed, after some pressure, £2; the rest she had to pay herself. It was entirely a question of health with her, and that not only with a view to prevention of disease but as an alleviant of actual ill health. Why should not the expense of the treatment required be covered by insurance in such cases? Probably this would be economically a sound investment on the part of everybody concerned; in any case, it would be nothing but just to the insured.

Prohibition in the United States

(see last week's "Retrospect") is said by Miss Rebecca West, in a recent number of the "Sunday Times," to be at once a great success and a still greater failure. It has succeeded in greatly reducing the bestial drunkenness of the beer-drinking class, but has very greatly increased the consumption of whisky by people of a somewhat higher social grade, with results that may be even more serious to the future of America. Beer and wine do not afford the "bootlegger" anything like the same rate of profit as whisky, and he therefore confines his operations to the more deleterious intoxicant. The picture Miss West draws of the United States pharmacist is a deplorable one, and I can but hope that it is over-highly coloured. The ordinary "pharmacy" appears to be much what the old "saloon" was, with the difference that it caters for a professedly more respectable class. Such a state of things, Miss West is good enough to say, is impossible here; for though some companies have Americanised our pharmacies to the extent of turning them into miscellaneous stores (this is her statement, not mine), we are safeguarded both by our laws and our national habits against it. Making a little allowance for the exigencies of popular journalism, Miss West's account appears to be a very fair one; she admits the difficulty of the situation, and is evidently anxious to do justice to the efforts made to deal with it.

The Bwlch-y-Groes

(or Pass of the Cross) in Merioneth (there is another pass of the same name between Penmachno and Dolwyddelen) over which some Birmingham pharmacists have been motoring, is one I have traversed more than once, in storm and sunshine, and under either condition I think I should still prefer to do it on shanks's pony. This is the pass that so excited Borrow; its steepness on the Llan-y-Mawddwy side is not its only difficulty; the surface of the road, when I knew it, was execrable from the motorist's point of view. But the scenery is magnificent; and as the neighbourhood is, or used to be, comparatively neglected, I should like to recommend it to the prospective holiday-maker. The pedestrian, however, should climb the Arans. Of these the ordinary visitor to Barmouth sees virtually nothing as he journeys through the Drws-y-Nant. The wall of rock, crowned with a craggy summit, which they present on the other side, vies with Cader Idris, if it does not surpass it. The ascent on the Bala side is best made by way of Llym Lliwbran, and the descent through Hen Cwm; this walk, with a return to Llanuwchllyn by way of the Pass, is as delightful a day's excursion as anybody could desire.

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Editorial Articles

Pharmacists in the Army—II

THE Standing Orders of the Royal Army Medical Corps, Royal Army Medical Corps (T.A.), and the Army Dental Corps make no real provision for pharmacy in the Army. Many chemists labour under a misconception of the position. To their minds there exists, in theory at least, a profession which is termed pharmacy as something apart from "keeping open shop." This theory is fostered by what are undoubtedly professional examinations which feed the imagination and kindle great expectations without any power to "deliver the goods." The report of the joint committee contains a significant paragraph: "He, Sir W. S. Glyn-Jones, outlined the proposals, now under consideration of the Consultative Council of the Ministry of Health to employ specially trained pharmacists in institutions under the Ministry's control in rendering skilled assistance in the pathological laboratories, x-ray installations, etc., and pointed out that similar duties could be carried out by pharmacists in the Army." This was in 1920, and four years have sufficed to wipe out these imaginings. The report issued last week shows plainly that the conception of the pharmacist members of the committee were too nebulous almost for expression. Their knowledge of the needs of hospitals was limited, and they confused altogether the Army institutions with their conceptions of civil institutions. The aim was that he whom they called pharmacist *per se* should be given suitable rank in the Army for directing certain things which are not done without ever defining in clear and unmistakable terms the practical, apart from the theoretical duties. The nebulous ideas produced a nebulous consent which an Army Council cannot, while girding against forced economy, see its way clear to adopt. The ancillary services of medical treatment are now very diverse, and the conception in the lay mind, as also in the military mind, is that it is better to spread these over departments rather than concentrate their direction under unitary control; consequently, whether the pharmacist is compositely trained for these ancillary services or is confined to the department of pure pharmacy, is not material from the point of view of the medical staff. A consideration of the regulations shows the following items: *Section IX*: An orderly in the irrigation room will exercise greatest care in the sterilisation of all instruments and apparatus, prepare microscopical slides and specimens of urine for examination. *Section X*: An operating-room assistant will prepare the more commonly used infusions and antiseptic solutions. *Section XVII*: A laboratory assistant is responsible for apparatus, chemicals, etc., sterilisation, preparations of media, stains, standard solutions, care of important residues and recovery when possible. *Section XIV*: The duties of radiology and electro-therapeutic treatment. *Section XVII*: He shall carry out measurements necessary for the proper fitting of spectacle frames, lenses, prescription and mechanical adjustments. Finally, *Section XI*, the dispenser who may be warrant officer, N.C.O., or private is given the schedules of the Poisons and Pharmacy Act and the Dangerous Drugs Act, apart from

the regulations governing the retail trade. We have six departments which could be centralised under one head, but this applies to base hospitals, and the natural question arises, where is the training of the individual suitable for such a directorate? The medical officers in charge develop their smattering of the subjects in post graduate courses, but in pharmacy there appears to be an effort to grasp the substance and the shadow at one and the same time. Individuals train now, but as a corporate body we have little tangible to offer. Obviously, pharmacy *per se* is only a small part of such a composite department, and the least line of resistance is taken, and partial, though particular, training is given in the sections, and it is not to be expected that efficient service is readily obtainable. Paragraph 298 states prescriptions shall only be dispensed by qualified dispensers, but this is qualified in an Army sense. It is interesting to note that the term "compounder" appears to have disappeared from Army nomenclature. Paragraph 301 states: "When weighing and measuring poisonous ingredients of prescriptions the dispenser will, whenever possible, obtain a check of the quantities dispensed from some responsible person," but it fails to point out who is a responsible person, and presumably the officer in charge may not be a pharmacist. It is obvious that the ancillary medical services in the Army require organising from the standpoint of some governing mind rather than diffused control with authority running through several channels. Therefore, a pharmacist *per se*, has insufficient importance, unless compositely trained, to make an unqualified demand for commissioned rank. An efficient Army Medical Service would most certainly build on him as a nucleus and thus create an economical single department, which would considerably relieve the purely medical department and even reduce its numbers. Turning to the training we find this leaves much to be desired. Section XXIX: The pharmacist (Group A) is specially enlisted as such, and the qualification of the British and Irish Societies is accepted, and he is eligible for class III, and may attain class I, providing certain conditions are fulfilled, and, curiously, Class I is a person "qualified in subject B, Dispensers," which is something like painting the lily. The reward on promotion is quartermaster-sergeant and sergeant-major. Group B is for the dispenser, and provides for six months at a hospital or at the School of Pharmacy, the control of which is not stated, but presumably under a pharmacist, who apparently is only just lifted above the ranker. The subjects are even more elementary than for the dispensing examinations in civil life, and certainly give weight to the case that officer rank should be allocated to the one who has to be responsible for such raw material. A civil qualification in this section is the certificate of assistant to an apothecary. The training in electro-therapy is covered to a certain extent in the physics of the Qualifying examination, but in its fuller development goes beyond it. Similarly, in other sections we find the pharmacists' training is partially overlapped. The fact remains that the education for a complete pharmacist suitable for a departmental public appointment has been overlooked, and now the principle of departmentalising is established which confuses him with a dispenser pure and simple. The development of pharmacy, and the pharmacists' position, outlined in the report, is about the minimum; it was small, but it was a step in the right direction. We now arrive at the point when we might ask first whether some of those who were in the Army did all they might have done to emphasise the relative value of pharmacists, and what efficient men might have done to remedy defects, and, secondly, why the Pharmaceutical Council failed to support the efforts of some pharmacist "triers," at home and abroad, who were in the Army Medical Service, in establishing the phar-

maceutical position. It has been largely done in civil life by individual action, and officials of the Pharmaceutical Society, indifferent in the past, made it extremely difficult, even in voluntary institutions, through being obsessed by the retail idea. The movement now is all to the good, but it is to be feared the tide has turned for this generation.

The Duty on Table Waters

We are indebted to a correspondent for drawing our attention to a defect in the statement contained in the *C. & D.*, May 31, p. 765, as to the effect which one of the clauses in the Finance Bill will, if passed, have upon the liability of table waters to duty—and not the less so that the error had already been noticed. The effect of Clause 9 of the Bill on its becoming law will be to do away, as from August 1, with the excise duty chargeable since the passing of the Finance Act, 1923, on sweetened table waters at 2d. per gallon, as well as the duty of 2d. per gallon on herb beer and the Customs duty of 4d. per gallon payable on certain imported table waters. The result of this adjustment of duties will be that neither herb beer nor any table water containing or prepared with sugar or other material, or which is a fermented beverage, will be in future subject to the duty. The duty on other table waters at 8d. per gallon continues. Thus soda water and mineral waters, whether natural or the result of some process of manufacture, will continue liable, provided they are unsweetened and are not medicinal in character. Distilled aerated water would clearly come under the law even as amended by the Bill. A question might arise as to whether distilled water not aerated would also be liable to the duty if sold or kept for sale in bottles, casks, or other closed receptacles. Take the case of non-aerated distilled water sold for the purpose of being used in breaking down whisky. When we turn to the legal definition of taxable table water we find that the duty is imposed on "any aerated waters and any beverages sold or kept for sale in bottles" (defined to include casks), "except any liquor for the retail sale of which an excise licence is required; and except any concentrated syrups or other liquors intended to be used only in a concentrated form." Now whether this would cover non-aerated distilled water in the circumstances put would depend upon whether or not the words "any beverage" are to be taken with their unlimited signification or are to be regarded as having their meaning restricted by the words of the context preceding them. According to the strict rules of legal interpretation, it would seem that the meaning ought to be so limited. On the other hand, the use to which the water is put—taking the place, as it does, of a soda or other water which is clearly taxable—would suggest that Parliament intended such distilled water to be liable to the duty, and although not conclusive on the question of liability, this would in all probability lead the excise authorities to push their claim to levy the tax on the water.

The Sulphur Industry

It is now over a year ago since the agreement was entered into between the representatives of the American sulphur producers and the Sicilian industry (*C. & D.*, April 7, p. 482). We then drew attention to the benefits likely to eventually accrue from the working of that agreement, and indicated that the Italian exports would experience a renewed expansion at improved prices over the remainder of the year. That has, indeed, taken place, more particularly in raw Sicilian sulphur, which prior to the operations of the "combine" was obtainable at a considerable discount compared with raw American sulphur. About a year ago, or nearly two months after the agreement came into force the quota-

tions for Sicilian raw sulphur ranged from £5 1s. 3d. to £5 6s. per ton, against £5 5s. for American delivered, whereas recent quotations were £5 15s. to £6 for either Sicilian or American. Therefore, as compared with a year ago, the terms ruling in this country indicate an appreciation of about 12s. 6d. to 14s. per ton. In the same period, however, the improvement in the rates for refined sulphur of Italian origin as secured by the representatives of the combine represents only 2s. 6d. to 5s. per ton, according to description on the basis of £9 12s. 6d. for flowers and £7 15s. for roll, delivered ex wharf at this end. The margin between raw and refined has to some extent been reduced. The position, however, of the Italian industry has certainly been strengthened under the control exercised by the combine. This may already be gathered from the re-expansion of its output for last year and the considerably larger quantities exported from Sicily, while the stocks in Italy were appreciably reduced. On the other hand, the development of the American production has been maintained at a phenomenal rate, which, in spite of a heavy increase in the total American deliveries, has resulted in another large accumulation of stocks for the past year. A study of the figures which we have compiled from particulars received from Italian and American sources are given below, relating to the increased production in Italy and the United States and to the exports from both countries, as well as the stocks in existence there. They afford some idea of the results which were brought about by the working of the American and Sicilian industries under one control.

	Production		Sicilian Exports	American Total deliveries
	Sicily	America		
	Tons	Tons	Tons	Tons
1922	137,640	1,830,942	133,264	1,343,624
1923	206,238	2,036,097	217,172	1,618,841
Increase ..	68,598	205,155	83,908	275,217

	European countries' takings from Sicily		U.S. exports comprised in deliveries above
	1922 Tons	1923 Tons	
Gt. Britain	21,959	61,550	1922.. 487,969
Italy	25,448	31,293	
France	16,358	29,472	1923.. 474,475
Greece and Turkey..	20,961	19,115	
Total	84,726	141,430	
	(Incr. 56,704)		Decr. 13,494

	Surplus Stock		Total both countries
	Italy	U.S.A.	
	Tons	Tons	Tons
1922, Dec. 31	274,830	2,500,000	2,774,830
1923, Dec. 31	245,201	2,927,000	3,172,201
Increase or Decrease	- 29,629	+ 427,000	+ 397,371

The fact has to be noted that the recovery in the Sicilian output for last year represents about 50 per cent. compared with the previous year, although its total of 206,238 tons is still over 33,000 tons short of that for 1921. While the American output is exceedingly heavy, its increase compared with 1922 is, however, only a little over 11 per cent., and it is undoubtedly being checked under the existence of the working combination, which seems the more desirable in view of the huge American stocks, which would represent but little

less than two years' domestic and export requirements combined. The American production alone being far in excess of the total world's requirements, it can only be surmised that the most important problem facing the Italo-American Combine is how to restrict that production and thus to check the rapid accumulation of American stocks, although the world's consumption has been at a distinctly progressive rate and should continue so, provided prices are kept at a level calculated to stimulate the outlet. The first effect of the working agreement has been a falling off in the American exports last year, which had risen by leaps and bounds for some years previous. American producers are obviously chiefly dependent on needs in North America, which have been at a much increased rate, but even so equilibrium in supply and demand will doubtless take at least a few years to accomplish. Given more normal trade conditions in Europe, this should help matters, but for the present the growth of European trade in this commodity, as in many others, remains seriously handicapped by the abnormal rates of exchange. The existence of the combine is assured until the end of September next year, when it is expected to be automatically renewed for another eighteen months, unless its cessation is requested by either side on a six months' notice.

Common Sense in Zanzibar

THE minutes of the recent meetings of the General Medical Council and its Executive Committee record that a copy of the Medical Practitioners' and Dentists' Decree, 1923, of Zanzibar, has been received. Clause 23 of the Decree reads as follows:—

Nothing in this Decree shall prohibit any chemist or druggist from exercising what is known as counter prescribing in the course of his business where no charge is made or demanded for such prescribing.

This frank official recognition of the existence of human nature sets an example that might with advantage be widely followed.

As Others See Us

"SALES MANAGEMENT," a business paper, published in Chicago, U.S.A., has included with its April issue a special supplement dealing with British markets. This issue is designed to interest those people who are coming over to the International Advertising Convention, to be held at the British Empire Exhibition this summer. The supplement contains an article entitled "The British Retailer's Point of View," by Max Rittenberg, and it is not without interest to chemists as it gives us the power to see ourselves as others see us. To quote from this article:—

A form of "snag" which is peculiarly English is the attitude of the chemist over here. He is a "semi-professional business man." He passes through a stiff course of professional training and apprenticeship, and must take his degree before he is allowed to set up in business and dispense medicines. He is not a "drug store man"—he is a chemist, a man of scientific attainments, a man who "might have been a doctor" if only his parents had had enough money for his education. Therefore his attitude towards any new product and any new selling scheme is a mingling of the business and the professional. Will it bring him a profit and at the same time uphold his dignity? "Stunt schemes" of window display, which might be applicable to other trades, usually fall flat with our English chemist of the best class. The optician, again, is a "semi-professional" man with degrees—and a liking for the manufacturer who treats him as a little higher than the "merely business retailer." I do not mean to imply that these men are not keen on profits; they certainly are. But many of them like to feel that the profit alone is not the basis on which they will decide their buyings. Let the direction of the enterprise be as American as you please—but when it comes to the men who are directly to talk to the trade, they must be British. They must know the niceties of "what is done" and "what isn't." Nor is "large talking" appreciated—however true it may be, or however broad it may be in vision or in purpose. The great mass of our business men do not think in terms of "motor cars and millions"; they get as far, perhaps, as "retiring at sixty," pottering about the garden, watching cricket in the summer, becoming an alderman or district councillor, or sitting on the platform at political meetings.

General Medical Council

THE delivery of the President's address at the opening of the General Medical Council's session on May 27 and the appointment of the Pharmacopœia and other committees (*C. & D.*, May 31, p. 758) were followed by the consideration of

DISCIPLINARY CASES,

some of which had been adjourned from the previous sitting of the Council (*C. & D.*, II, 1923, p. 798). They were taken in the following order:—

Mr. Charles Russell Corfield, L.M.S.S.A., 205 High Street, Chorlton-on-Medlock, was called to appear before the Council on a charge arising out of the case of *Frankish v. Frankish and Corfield*, in which he was the co-respondent. After deliberation *in camera*, the President announced that the facts alleged in the notice of inquiry had not been proved, and the case was accordingly dismissed.

Mr. Bryan Buckley Sharp, M.R.C.S., L.R.C.P., M.B., B.S., 20 Rupert Street, London, W., was summoned on a charge of having made an untrue declaration in respect of a person applying for a passport. The Council, after deliberation, found that the facts alleged had been proved to their satisfaction. Having regard, however, to the warning given during the course of these proceedings, and to Mr. Sharp's assurance as to future conduct, his name was retained on the Register.

The case of Mr. John Christie Forbes, L.R.C.P., L.R.C.S., L.F.P.S., who was charged at the previous session with having allowed his clerk to issue numerous Insurance certificates and sign Insurance prescriptions in his name, was concluded. After considering the explanations offered by Mr. Forbes and the evidence as to his conduct in the interval, the Council decided not to direct the erasure of his name from the Register.

Insurance certificates also figured in the next case. The respondent, Mr. Nowroji Merwanji Tarachand, M.R.C.S., L.R.C.P., Mansfield, Nottingham, was charged with having, in August 1923, signed in anticipation of his holiday a number of intermediate certificates of incapacity from work for eight insured persons, and, on his return from holiday, a first certificate and notice of sickness. The respondent, who was examined at some length, explained the circumstances in which he had signed the certificates. The President said that the Council found the facts proved, but had decided to postpone judgment until May 1925, when professional testimony as to conduct would be required.

The case of Mr. Trevor Owen Williams, M.B., Ch.B., M.R.C.S., L.R.C.P., 4 Ullet Road, Liverpool, who originally appeared before the Council in November 1922 on charges of drunkenness, was further considered, and resulted in a direction to erase his name from the Register.

Mr. Shridhar Bheekajee Gadgil, L.M.S., F.R.C.S., L.R.C.P., Mhow, India, was summoned in respect of a conviction (upheld on appeal) of insulting behaviour. The conviction was found by the Council to be proved, and the respondent was ordered to attend the sitting in May 1925 for the purpose of receiving judgment.

On the complaint of the Surrey County Council, Mr. Henry Love, M.B., L.R.C.S. Irel., Avoca, Mitcham, was summoned to appear on a charge of countenancing or assisting three uncertified women who had acted as midwives. Mr. Oswald Hempson, solicitor, defended. The Council found the facts to have been proved, and postponed judgment until May, 1925, professional testimony to be available in the interval.

A similar case in respect of one uncertified woman, adjourned from May 31, 1923, was taken next. The respondent was Mr. James Robert Stott, M.D., Ch.B., 202 Ewell Road, Surbiton, and the complainants were the Surrey County Council. Mr. Hempson, defending, addressed the Council and put in letters of recommendation on behalf of his client, whose name was, after deliberation, allowed to remain on the Register.

Mr. Bowen Perkins, M.R.C.S., L.R.C.P., 135 Dock Road, Tilbury, was summoned in respect of charges

of drunkenness and improper behaviour. After hearing the evidence of several witnesses, the President said the misdemeanour had been proved to the satisfaction of the Council, but the facts alleged with regard to the abuse of the respondent's position as a professional man had not been proved. The case would be dismissed.

Mr. Jonathan Allan Thornhill, L.M.R.C.P. Irel., L.M.R.C.S., Irel., Ingleside, Newnham, was summoned for being under the influence of drink while attending a patient, and for having given an Insurance certificate which was untrue, misleading, or improper. The Council found that the first charge had not been proved. Judgment with regard to the second charge was postponed until the next session.

Mr. Charles Herbert Moorhouse, M.B., Ch.B., Woodhouse Lane, Leeds, was summoned for employing in his practice a person who was not duly qualified or registered under the Medical Acts. The facts were not found to be proved, and the case was dismissed.

Mr. Harry James Milbank Milbank-Smith, M.R.C.S., L.R.C.P., Worthing Lodge, Worthing, was charged with wrongfully enabling Walter Rogers (practising as Stephen W. King) to obtain registration on the Dentists Register. The respondent was cautioned, but his name was allowed to remain on the Medical Register.

The name of Mr. Frederick John Fehrsen, M.D., Eureka, Sea Point, Cape Town, South Africa, who was convicted of performing an illegal operation, was directed to be erased from the Register.

PHARMACOPOEIA COMMITTEE

The Pharmacopœia Committee reported to the Council that the number of copies of the British Pharmacopœia, 1914, sold by the publishers between November 26, 1923, and May 24, 1924, is 1,064. The number sold in the year ended May 24, 1924, is 2,415. The total number sold since the date of publication is 46,852.

INTERNATIONAL PHARMACOPŒIAL BUREAU

Communications from the Privy Council on the subject of a conference to be held at Brussels in 1925, under the auspices of the International Pharmaceutical Federation, were referred to the Pharmacopœia Committee. They included the following suggested

Programme [Translation]

- (1) Revision of the decisions arrived at at the first Conference.
- (2) Standardisation of the formulas for other potent medicines.
- (3) Standardisation of arsenical and bismuth preparations.
- (4) Is it advisable to standardise the chemical methods of assay for certain medicines?
- (5) Is it advisable to introduce biological assays and to standardise them?
- (6) The standardisation of the maximum doses.
- (7) To investigate the advisability of introducing a special form of bottle for the delivery of medicines, enabling medicines intended for external use to be distinguished from those destined for internal use, and *vice versa*.

THE RECENTLY
DESIGNED SEAL
OF THE
DENTAL BOARD
OF THE
UNITED KINGDOM



Pharmaceutical Society of Great Britain Council-meeting

A MEETING of the Council was held at Bloomsbury Square, London, W.C., on June 4, Mr. E. T. Neathercoat in the chair. There was a full attendance of members.

WELCOME TO MR. HARDY

The CHAIRMAN said his first duty was to extend a hearty welcome to Mr. Thomas Hardy. (Applause.) Mr. Hardy needed no introduction, either to the Council or pharmacists generally, for he had already done very useful work, and he (the chairman) was sure that his term of office with the Council would be very valuable. He hoped that Mr. Hardy would find the work congenial. (Applause.)

Mr. HARDY, in acknowledging the welcome, expressed his appreciation of the chairman's words. He recalled that the first occasion on which he entered the Council chamber was as a visitor, with Mr. Chater, the assistant secretary, as his guide. On that occasion Mr. Chater said: "I hope I shall see you here on some future occasion and occupying a councillor's chair." Subsequently the late Mr. Deakin, a most valuable member of the Council, pressed him to stand for the Council; and, as those present would know, he did so on three occasions. While his voyage might have been a little stormy, it certainly had had a successful conclusion. He hoped he would be a useful member of the Council, and that any criticisms he might have to make would be of a constructive character. (Applause.)

DEATH

The CHAIRMAN made suitable reference to the death of Mr. Storrar, Kirkcaldy, and moved a resolution of sympathy with the relatives. Mr. Storrar, he said, was well known, not only to those present, but also to a great number of pharmacists, by reason of his frequent attendance at the evening meetings, both in London and Edinburgh. His was a lovable character, and left a lasting impression on all who were privileged to know him.

Mr. SARGEANT seconded the resolution, which was carried by the members standing in silence.

ELECTION OF PRESIDENT

The next business of the Council was to elect the officers for the ensuing year, the first being the President.

The voting in the first instance was as follows:—Mr. Sargeant 9, Mr. Neathercoat 7, Mr. Rowsell 4, and one blank. There being no clear majority on this vote, a re-ballot was taken, and the result was that Mr. Sargeant received thirteen votes, Mr. Neathercoat seven, and there was one blank paper.

Mr. NEATHERCOAT then declared that Mr. Sargeant had been duly elected President of the Council, and said he wished to take that opportunity, in the name of his colleagues as well as his own, of congratulating the new President on his election to the position which he had attained.

Mr. SARGEANT, in returning thanks, expressed his appreciation of the very high honour that had been conferred upon him in electing him to the presidential chair. It was an honour which he had sought in the past to attain, and he was very proud at having attained it. He did not regard it, however, as the climax of his pharmaceutical career. That would come when he laid down his chain of office and knew that he had earned the esteem and respect of the members of the Council. The traditions which a long line of predecessors had established in connection with the presidential chair should be honoured as far as lay within his power, and he hoped to uphold the dignity of the position to which he had been elected. (Applause.)

[A portrait and biographical sketch of Mr. Sargeant appeared in the *C. & D.*, April 26, p. 590.—EDITOR.]

ELECTION OF VICE-PRESIDENT

For the position of Vice-President there were three nominations, the result being that Mr. Rowsell received fifteen votes, Mr. Skinner five, and Mr. Simmons one. The President accordingly declared Mr. Rowsell elected, and said he was quite sure that the new Vice-President would help him as much as he could and would also help his colleagues. "It is a great satisfaction to me," he said, "to know that I shall have the assistance of such a capable member as Vice-President." (Applause.)

Mr. ROWSELL said he wished to express his hearty thanks for having been elected to the position of Vice-President, which was one of honour and which he greatly esteemed. It would be his endeavour to uphold the dignity of the Pharmaceutical Society. He had always endeavoured to do this, and would try to live up to the responsibilities and dignity of the office, and also to make the position of the President such that by their united efforts they would be able to accomplish good work for the Society.

TREASURER RE-ELECTED

Mr. Bilson was re-elected treasurer of the Society, seventeen voting for him and one for Mr. Skinner. There were three blank papers.

Returning thanks, Mr. BILSON said he did not look upon re-election as a matter of course, but rather appreciated very highly that the Council had again shown their confidence in him. (Applause.)

APPOINTMENT OF OFFICERS AND COMMITTEES

The officers of the Society were re-appointed as follows:—Secretary, Sir William Glyn-Jones; assistant secretary, Mr. H. N. Linstead; editor of the "Journal," Mr. J. P. Gilmour; resident secretary in Scotland, Mr. J. Rutherford Hill. On the suggestion of the Vice-President, the officers were thanked for their services.

When the election of the committees came up for consideration, Mr. ANTCLIFFE suggested that the times of committee meetings might be fixed so that it would be convenient to some of the members who were now unable to attend.

The PRESIDENT said the great difficulty arose through having to work all the committees in one day.

After some discussion, the VICE-PRESIDENT proposed that in future the morning committees should sit at 10.30 and the afternoon work begin at two o'clock. This was seconded by Mr. PECK, but Mr. ANTCLIFFE moved an amendment that the afternoon committees at present sitting at 3.30 should sit at 4, those now meeting at 2.30 continuing to do so. It was pointed out that formerly the Finance Committee used to meet at two o'clock, but sometimes there was not a quorum present and the business could not be done very satisfactorily. Eventually Mr. Antcliffe's amendment was carried.

ELECTIONS AND RESTORATIONS

Eleven persons were elected members of the Society and twenty-three student-associates. Three persons were restored to the Register and one hundred and six were restored to the Society. The registrar reported that ninety-four apprentices or students had been registered since the last meeting.

COUNCIL PRIZES

The secretary submitted the report of the examiners appointed to conduct the Council prizes competition, and subsequently it was announced that the winners were as follows:—Sydney William Bastow, Pereira medal; Henry Arthur Bancks, silver medal; William Ellison, bronze medal.

CHELSEA PHYSIC GARDEN

A letter was received stating that the term of office for which Miss Buchanan had been elected to represent the Society on the committee of management of the Chelsea Physic Garden expired on May 19, and pointing out that it was within the province of the Society to re-elect her for a further period of four years. Miss Buchanan was unanimously re-elected.

DAINGEROUS DRUGS ACTS DISCUSSION

The following notice of motion was on the agenda in the name of Mr. E. S. Peck :—

That their attention having been drawn to a recent prosecution in which five summonses were issued for breaches of the Dangerous Drugs Act Regulations against a Manchester chemist for the supply to an important representative of a foreign Government upon prescriptions written by two practitioners duly qualified in the country in question of two preparations for outward application containing cocaine, the Council are of opinion that, if the circumstances are as reported, the proceedings were not only unnecessary but vindictive, and that the prosecuting authorities be informed that in the opinion of the Council such proceedings are calculated to militate against the spirit of co-operation and goodwill in which pharmacists as a whole are attempting to support the authorities in the prevention of the evil against which the Dangerous Drugs Act is directed.

After full discussion in committee, the resolution was unanimously adopted, and a further resolution was passed appointing a deputation consisting of the President, Vice-President, Mr. Neathercoat and Mr. Peck, to wait upon the authorities concerned. In view of the fact that it was not clear whether the Manchester police had acted on their own initiative or at the instigation or with the concurrence of the Home Office, the secretary was directed to write to the Home Office inquiring to which of the authorities the representations which the Council desire to make on this case should be submitted.

DIVISION OF THE QUALIFYING EXAMINATION

The report of the Government visitor (Sir William Willcox) on the Society's examinations held in London during the year 1923-24 contained the following passage :—

The Qualifying examination is a very thorough test of the knowledge and training of a candidate. The percentage of rejections where candidates entered for the whole examination at one sitting was very high (86.04 per cent.). In my last report attention was called to the high figure (82.73 per cent.) of rejections for that year. It is obviously inadvisable that candidates should be allowed to take the whole examination at one sitting, since such a small percentage succeed in passing. During the past twelve months the number of students entering for the whole examination (530) was considerably less than the number for the preceding period (938), and the numbers entering for Part I and Part II separately were greater than the respective numbers for the preceding twelve months. This indicates that candidates are beginning to appreciate the advisability of taking the two parts of the examination separately.

I understand that the Council of the Pharmaceutical Society of Great Britain have approved of the principle of making it compulsory that Part I and Part II of the examination be taken separately, and that regulations to this effect are about to be submitted to H.M. Privy Council for approval. The statistics of the examinations point to the great desirability of such regulations being put into force as soon as possible.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £65 16s. 11d., amounted to £5,651 3s. 7d., including the following items :—Subscriptions, £564 18s.; examination fees, £1,182 13s.; registration fees, £193 4s.; restoration fees and certificates of qualification, £5 4s.; penalties, £44 11s. 10d.; "Pharmaceutical Journal" advertisements, etc., £1,239 10s. 9d.; "Pharmaceutical Journal," S.A. subscriptions, £5 15s. 6d.; Pharmaceutical Press publications, £1 9s. 4d.; "Pharmaceutical Pocket Book," £7 9s. 11d.; School of Pharmacy, £36 15s.; "Year-Book," £7 2s. 9d.; Register of Chemists and Druggists, £5 7s. 3d.; B.P. Codex, 1923, £125 10s. 11d.; interest on investments, £528 13s. 5d.; sundry receipts, £2 17s. 11d.; transferred from deposit account, £1,700. Payments ordered at the last meeting amounted to £5,713 12s. 5d., leaving a balance of £3 8s. 1d. The balances on the other accounts were as follows :—Benevo-

lent Fund (current account), £111 0s. 7d.; Benevolent Fund (donation account), £23 9s. 11d.; War Auxiliary Benevolent Fund, £199 13s. 11d.; Orphan Fund, £91 16s. 6d. The report recommended that accounts amounting to £7,302 15s. 2d. be paid, and that the action of the secretary in making payments amounting to £728 10s. be approved.

The report was adopted.

BENEVOLENT FUND

The report of the Benevolent Fund Committee showed that four applications had been considered and grants varying from £10 to £30 had been made. Intimation had been received that the late Mr. Arthur Northcroft, Plymouth, had by will left the residue of his estate to the Benevolent Fund. A letter from the solicitors intimated that the gross estate was under £4,000, and from the terms of the will, a copy of which had been forwarded, it appeared that the Fund would eventually benefit to the extent of about £2,000.

Mr. H. O. LLOYD called the attention of the Council to the legacy and expressed gratification on behalf of the Committee. He also submitted the following list of special contributions :—Ucal Federation (Nottingham Branch), £1 0s. 10d.; Southampton Chemists' and Social Athletic Club, 10s. 6d.; R. R. E. Perkins, Lingfield, 15s. 8d.; Miss K. N. Hornblow, Llandudno, £1 1s.; Glasgow Pharmacy Club, £2 2s.; Great Yarmouth Pharmaceutical Association, £1 1s.; Western Pharmacists' Association, £10 10s.; Inverness Chemists' Association, £3 3s. Mr. LLOYD also submitted the quarterly report of the Committee containing the following summary of the cases dealt with :—February, £256; March, £165; April, £46; total, £467.

The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The Committee reported that during the month six cases had been considered and grants ranging from £15 to £100 had been made. In their report for the three months ended April 1 it was stated that during the period under report the Committee had made grants amounting to £390.

BRITISH PHARMACEUTICAL CONFERENCE EXECUTIVE

The Committee considered the invitation extended by the Glasgow and South-Western Scottish Branch of the Society for the Conference to meet in Glasgow in 1925. It was agreed to place the invitation before the annual meeting at Bath, and the date of the meeting in 1925 was provisionally fixed for the week commencing July 27.

Mr. WHITE, in commenting on the report, said that the Council would be very glad to see that the Conference would be meeting in Glasgow next year. In regard to this year's Conference at Bath, he had taken the opportunity of going down there within the last few days, and he believed that the programme would prove a very enjoyable one. He appealed to the Council to turn up in good force.

EDUCATION COMMITTEE

This Committee reported the recognition of Tunbridge Wells Technical Institute and Southgate County School for the teaching of certain subjects.

LEVERHULME SCHOLARSHIPS

The Council approved of the appointment of the following gentlemen as honorary invigilators to conduct the examination :—

Manchester	A. L. Blain	Edinburgh	D. Harley
Leeds	A. Lupton	Exeter	F. Southerden
Birmingham	Capt. E. C. Bennison	Norwich	J. M. Weller
		Cardiff	J.W. J. Newton
Aberdeen	W. F. Hay	London	A. J. Chater

This was all the public business.

AMONG the subscribers to Blackburn War Memorial are W. Meadowcroft & Son, Ltd., essential oil importers, and Mr. J. Meadowcroft, J.P., of the same company, each contributing £250.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Local Reports

ENGLAND AND WALES

Derby.—At a meeting of the Insurance Committee, the clerk reported that some chemists had been dispensing unmarked scripts according to what they considered were the doctors' intentions, with the consequence that scripts were being returned from the Pricing Bureau for explanation and authorisation. It was resolved to call the attention of doctors and chemists to the instructions issued by the Panel Committee and to inform them that any unmarked prescriptions dispensed after May 21 otherwise than in accordance with such instructions would be paid for on the basis of the local formulary.—A return was presented relating to the scrutiny of prescriptions issued in the Committee's area made by the Retail Pharmacists' Union. This showed that the total examined last year was 18,993, of the value of £719 9s. 7d., and that the value of errors in underpricing was 3s. 2½d., and in over-pricing 2s. 11d.

Middlesex.—At a meeting of the Pharmaceutical Committee, held on May 21, Mr. C. W. Andrew in the chair, the terms offered by the Ministry of Health for 1924 were again submitted for consideration, but no further action was taken. Statistics for the past three months were as follows:—

1924	January	February	March
Number of prescript. ..	162,728	167,662	162,880
Total value	£5,972	£6,170	£6,015
Average ingred. cost ..	4.22d.	4.22d.	4.30d.
Average dispensing-fee	4.58d.	4.61d.	4.56d.

STATISTICS FOR FIRST QUARTER 1922-24.

	1922	1923	1924
Number of prescript. ..	1,200,682	1,290,595	493,270
Total value	£45,023	£46,613	£18,158
Average ingred. cost ..	4.1d.	4.2d.	4.2d.
Average dispensing-fee	4.9d.	4.5d.	4.6d.

At a meeting of the Middlesex Insurance Committee, held on June 3, Mr. W. Kelland (chairman) presiding, the Finance and General Purposes Committee reported that the following payments had been made under the Drug Fund: To practitioners for emergency drugs, 1923, £10 5s.; to chemists, February accounts, £6.169 16s. 1d.; to practitioners for emergency drugs, £32 12s. 4d.; to chemists, March account, £5,769 18s.; to practitioners for emergency drugs, £3 13s. 3d.; to the Middlesex Pharmaceutical Committee, on account of expenses, £250; to institutions for treatment and drugs, £124 15s. 4d. The action of the sub-committee was approved. The Committee confirmed the action of the sub-committee in deducting the sum of £2 19s. 5d. from amounts paid to chemists and refunding them to insured persons.

Nottinghamshire.—At a recent meeting of the Insurance Committee, the scheme for obtaining samples of the drugs and appliances supplied to insured persons was adopted, and Mr. S. R. Trotman (Nottingham) was appointed analyst. The Committee decided to censure a doctor for having failed to attend an insured person, and decided also to hold back £5 from his remuneration.

Portsmouth.—The number of prescriptions was 83,446, as against 57,770 for the first quarter of 1923, an increase of 44 per cent. and 31 per cent. above the previous record quarter of 1922. The average ingredient price per prescription was 3.6d., and the dispensing fee 4.6d. The total cost of the drugs used was £2,860 11s., as against £1,903 3s. in the first quarter of last year. Insured patients number 69,599.

Sheffield.—At a recent meeting of the Insurance Committee the Clerk reported on the samples of drugs, medicines and appliances taken under the Committee's scheme for analysis. The Sub-Committee find that the dispensing was reasonably accurate. Out of 20 samples taken 16 were found to be in order. In one case the Committee were of opinion that the writing on the prescription was of doubtful legibility and decided that the matter be referred to the Joint Service Sub-Committee for further investigation. Two cases of medicine and one for appliances

were referred to the Pharmaceutical Services Sub-Committee, but an amendment was carried that they be sent to the Joint Service Sub-Committee. The Minister of Health has added sodium morrhuate to the list of drugs to be administered by the practitioner in person. Chemists' accounts for May amounted to £2,415 9s. 1d.

Surrey.—The Pharmaceutical Committee held the monthly meeting on May 21, Mr. J. H. Mather presiding. The dispensing terms of the Ministry of Health for 1924 were accepted. The secretary presented a report on the pharmaceutical service for the county, which was adopted.—A meeting of the County Insurance Committee was held on May 28. The Pharmaceutical Service Sub-Committee reported that an insured person had complained that a chemist refused to dispense a prescription presented half an hour before closing time. The chemist had subsequently offered to dispense the medicine. The Committee recommended that the chemist be warned. A firm of chemists was censured for charging 4d. for a bottle, the correct charge being 2d. Five chemists have joined the panel; there were three withdrawals. The Medical Benefit Sub-Committee considered correspondence which had passed between a chemist on the list and the clerk of the Committee. In connection with the issue of Forms G.P.4—charges made by practitioners by way of deposit to persons unable to establish their title to benefit, but who claim to be entitled—a practitioner issued prescriptions on insurance forms and marked them "Charge and give receipt." The chemist in question acted accordingly, marking two scripts (three are involved) with the amount received. The attention of the doctor and of the chemist was called to this irregular procedure. Later the prescriptions were received from the Joint Committee for Pricing Prescriptions, intimating that they had not been priced and were not included in payments recommended to the Insurance Committee to be made. The chemist was asked for his observations, and in reply he accused the clerk of making insinuations that he had sent the prescriptions to the Joint Committee in the hope of obtaining payment again, and making remarks about the clerk to which the Sub-Committee took exception. The Sub-Committee considers that the clerk acted correctly, and the Chairman of the Sub-Committee consented to write to the chemist an appropriate letter. A complaint was made by a member of the Sub-Committee that a chemist was exhibiting in his shop a notice that the hours of dispensing for insured persons were such hours as curtailed the period during which insured persons are entitled to obtain medicines. The clerk was instructed to take appropriate action. In the statement of accounts monthly balances (February and March) amount to £2,601 5s. 7d. and £2,384 10s. 4d.

May Drug Tariff

The following are the alterations for May in the Insurance Drug Tariff for England and Wales:—

Lower.—Acetanilidum, 4½d. oz.; acid. salicylic., 3s. 6d. lb.; adeps benz., 1s. 7d. lb.; adeps præp., 1s. 2d. lb.; ammon. benz., 7d. oz.; anthem. flor., 5s. lb.; collod. bellad., 10d. oz.; liq. epispasticus, 1s. 5d. oz.; methyl salicylas, 4s. 9d. lb.; ol. caryoph., 14s. 6d. lb.; ol. morrhuae (Norwegian opt.), 8s. 6d. gal.; pulv. jalap. co., 4s. lb.; resorcinum, 10d. oz.; saccharum purif. pulv., 8½d. lb.; spt. æther. nitrosi, 5s. 7d. lb.; spt. ammon. aromat., 4s. 2d. lb.; strych. hydrochlor., 5s. oz.; syrupus, 11d. lb.; syr. aurantii, 3s. lb.; syr. calc. lactophosph., 1s. 11d. lb.; syr. cascarae aromat. 4s. 5d. lb.; syr. chloral, 2s. 5d. lb.; syr. codeinæ phosph., 37s. 7d. lb.; syr. ferri iod., 2s. 6d. lb.; syr. ferri phosph., 1s. 5d. lb.; syr. ferri phosph. co., 1s. 2d. lb.; syr. ferri phosph. c. quin. et strych., 2s. 1d. lb.; syr. glycerophosph. co., 2s. 6d. lb.; syr. hypophosph. co., 1s. 6d. lb.; syr. ipecac., 2s. 7d. lb.; syr. limonis, 2s. 1d. lb.; syr. papaveris, 1s. 8d. lb.; syr. pruni Virg., 1s. 4d. lb.; syr. rhei, 1s. 6d. lb.; syr. rhæados, 1s. 7d. lb.; syr. scillæ, 1s. 1d. lb.; syr. sennæ, 1s. 7d. lb.; syr. toluat., 1s. 5d. lb.; syr. zingib., 1s. 6d. lb.; tr. myrrhæ, 6s. 9d. lb.; tr. opii ammon., 7s. lb.; ung. boracis, 2s. 4d. lb.

Higher.—Ammon. brom., 1s. 8d. lb.; ext. casc. sagr. liq., 3s. 8d. lb.; ext. casc. sagr. sicc., 1s. 3d. oz.; lin. hydrarg., 5s. 3d. lb.; menthol, 7s. 6d. oz.; ol. anisi, 5½d. oz.; ol. menth. pip. (re-distilled), 35s. lb.; papav. capsulæ Ang., 11s. 6d. per 100; paraff. dur., 10d. lb.; sennæ fruct. Tinnev., 2s. 10d. lb.; tr. sumbul., 1s. 6d. oz.; tr. zingib., 6s. 6d. lb.; ung. hydrarg., 3s. 10d. lb.; ung. hyd. co., 4s. 4d. lb.; ung. hyd. nit., 3s. 4d. lb.; ung. hyd. nit. dil., 2s. 1d. lb.

OPEN-WOVE BANDAGES.—As from October 1, 1924, grey open-wove bandages will be deleted from this table, and chemists will be required to supply a white open-wove bandage in cases where the term "bandage" is used in a prescription without qualification. White open-wove bandages will also replace the grey bandages in the standard dressings specified on page 6.

SCOTLAND

Aberdeen.—The Pharmaceutical Committee for Aberdeen Burgh has been elected as follows:—Messrs. A. L. Bruce, A. F. Dugan, W. F. Hay, W. G. Mitchell, J. R. Reith, Charles Simpson, and A. P. Wallace. At a meeting subsequent to the election Mr. Chas. Simpson was appointed *Chairman*, Mr. W. F. Hay *Vice-Chairman*, and Mr. H. M. Dugan *Secretary*. Messrs. Simpson and Hay were appointed representatives to the General Council of Panel Chemists.

Glasgow.—At a recent meeting of the Burgh Insurance Committee it was reported that 241 chemists under contract with the Committee received £34,928 for medicines during 1923, compared with £33,202 in 1922. From August 1923 to the end of February 1924, 230 prescriptions for insulin were issued at a cost of £337. The chairman expressed the opinion that the work performed by practitioners and chemists within their area was generally well done. Very cordial relations now existed between the Committee, Approved Societies, the Panel Committee and the Pharmaceutical Committee, and with all bodies pulling together he was satisfied that the service had improved.

Lanarkshire.—At a meeting of the Insurance Committee, on May 28, it was reported that during 1923 the drug fund was more than sufficient to meet all demands made on it. The average cost of drugs for the year worked out at about 1s. 8d. per insured person. The service given by chemists had been excellent.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, June 11

Reigate and Redhill Pharmacists' Association and Local Branch of the Pharmaceutical Society.—Summer outing to Brockhurst, East Grinstead. Charabancs leave Reigate 1.45 p.m., Redhill 2 p.m. Tickets (7s. 6d. each) from Mr. S. H. Clegg, secretary, 38 Station Road, Redhill, Surrey.

Edinburgh Chemists' Assistants' and Apprentices' Association.—Botanical excursion to Duncan, Flockhart & Co.'s Pharma Farm. Meet at Warriston Road at 7 p.m.

Thursday, June 12

The Chemical Society, Theatre of the Royal Institution, 21 Albemarle Street, London, W., at 5.30 p.m. Faraday Lecture, entitled "Atomism in Modern Physics," by Professor R. A. Millikan, California Institute of Technology. Admission by ticket only.

London Chemists' Golfing Society.—Fixture at West Essex.

THE INSTITUTE OF OPHTHALMIC OPTICIANS will hold a conference in the Metropole Hotel, Leeds, on June 18, at 2.30 p.m.

SOUTH-EAST PHARMACISTS' FEDERATION.—On June 18 an outing will take place to Battle. Tickets (4s. 6d. each) before June 16 from Mr. D. Marchant, Eastbourne.

THE FEDERATION OF SOUTH-EASTERN COUNTIES PHARMACISTS' ASSOCIATIONS will hold a combined outing to Battle on June 18. Tea at Towers Hotel at 4.30 p.m. Tickets, including admission to Abbey (4s. 6d. each), before June 16.

THE LONDON CHEMISTS' INTER-ASSOCIATION SPORTS will be held on June 18 and 19 at Maw's Sports Grounds, New Barnet. Play commences at 3 p.m. On June 19, charabancs leave Lancaster Gate tube station for New Barnet at 2 p.m. Tickets (4s. return) by June 14. Trains leave Finsbury Park Station for New Barnet at 2.15 and 2.54 p.m.

LIVERPOOL CHEMISTS' ASSOCIATION AND BRANCH OF THE PHARMACEUTICAL SOCIETY.—The annual picnic will take place on June 18. Charabancs leave Woodside Ferry not later than 2 p.m., and proceed via Chester, Aldford, Farnold, Overton to Ellesmere. High tea at the Bridgewater Hotel at 5 p.m. Tickets (12s. 6d. each) can be obtained from the secretary, Mr. Hirst, and other members.

Indian Trade in Rubber Sundries

IN the course of an article dealing with the Indian market for rubber goods, published in the "Commercial Intelligence Journal" of Canada, it is stated that although chemists prefer to purchase surgical goods and druggists' sundries from stocks in the country, nevertheless they import a proportion of their requirements direct from the manufacturer or jobber abroad. The demand for this class of goods is not seasonal, and continues in steady volume throughout the year. Durability rather than price is the main factor, and it is generally found that customers act on the advice of their chemists in this respect. It is therefore essential that the chemist himself be impressed with the durability of such rubber surgical and other goods as the manufacturer wishes to sell him. Rubber goods sold by chemists in India may be grouped in order of their importance as follows:—

Hot Water Bottles, Tubing, Ice Caps, Ice Bags.—Hot water bottles of British manufacture are preferred to all others, as it is claimed that they are more strongly made, particularly in the seams. The square shape and dull finish of the British article is preferred to the oblong shape and glazed finish of the American water bottle. The most popular size is 10 in. by 14 in. Landed cost of British bottle is Rs. 4/6, or about \$1.35. The "Parex" white bottle sells well, the large size retailing at Rs. 8/8, or about \$2.65. Most of the tubing stocked by the important chemists is standard British 1/4-in. black, landed cost about 28 cents per yard. Cheap Italian and German tubing is also on the market and can be purchased from the manufacturers at prices from 8 to 15 cents per yard. This is said to be poor stuff, and perishes within a few months. There is a heavy demand for ice bags throughout India for fever patients. These are usually not of first-class quality and perish quickly. The average retail price would be in the vicinity of one dollar. Price is the main consideration so far as ice bags and ice caps are concerned.

Rubber Gloves, Bandages and Air Cushions.—The average landed cost of standard size surgical gloves is about \$1.10 per pair, and the retail price would average about \$1.70 per pair. A thin but durable glove is in demand. Quality since the war has been generally unsatisfactory, although one Canadian-made glove recently introduced is giving every satisfaction. There is very little demand for household gloves, as there are several servants on the establishments of the average Indian or European household. The best selling line of bandage is British in a 3-in. width, perforated, 7 1/2 ft. to 10 ft. in length and packed in cartons. The trade in air cushions is not large, one of the large chemists' establishments in India not selling more than one a day on the average.

Douches, Sprays and Analogous Goods.—Most of this class of goods is either British or French and of good quality. There is a fair turnover in these lines in the European shops, and the business is said to be quite profitable.

Sponges, Stoppers, Teething Rings, etc.—The only important item here is that of sponges. The most popular sponge is said to be the "Sorbo," retailing at an average price of 75 cents.

ALBANIAN OLIVE OIL.—The yield of the last olive crop in Albania has exceeded all expectations, and it is estimated that about 4,000 tons of olives have been exported to Italy. As about 23 to 27 kilos of olive oil are extracted from 100 kilos of Albanian olives, the amount exported to Italy represents a yield of about 1,000 tons of oil. The amount of olives dealt with in the oil mills in Valona shows a steady decrease, owing to the fact that Albanian and Italian agents purchase the olives for export, whereby higher prices are realised. At first the price was fixed at 100 lire per 100 kilos ex stores in Valona, but advanced almost daily, until it reached 155 to 160 lire. At present, the oil mills in Valona are dealing with only 100 tons of olives, a very small amount compared with former years.

Association Affairs

Aberdeen.—The quarterly meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's Colleges on May 27. The prizes won by the evening class students were presented by the President (Mr. James Farquhar) as follows:—*Chemistry*: First year, (1) Cyril Loftus, (2) Jessie McCallum; second year, (equal) James McIntosh, James Morrison; third year, (1) John A. Shearer, (2) James A. Martin; fourth year, (1) Ethel M. Ewen, (2) Chas. Kellas. *Physics*: First year, (1) Ian M. Fraser, (2) Jessie McCallum; second year, (1) James McIntosh, (2) W. Gillespie. *Botany*: (1) John A. Shearer, (2) James A. Martin. Dr. Tocher, who had set and examined the papers, criticised the work done, and congratulated the students on the high percentages obtained. Mr. J. Rutherford Hill then addressed the students, and emphasised the advantages they had compared with the older generation. Education, he said, had no finality; it was always progressing, and unless they kept abreast they would be left behind. He advised them to cultivate three attitudes in their work—viz., a joyful spirit, enthusiasm, and concentration. The President paid a tribute to the memory of the late treasurer, Mr. Wm. Reid. An expression of sympathy was forwarded to Mr. Reid's relatives. Mr. A. Gordon Beattie was elected Vice-President, and Mr. A. L. Bruce agreed to act as interim treasurer. The Petrie Trust Bursary competition will be held in July. Particulars can be had from the secretary. It was arranged to hold the annual summer outing at Grantown-on-Spey on July 2.

Belfast.—A meeting of the Committee of the Chemists' and Druggists' Society of Ireland was held in the rooms of the Society at Waring Street, Belfast, on May 29, the President (Mr. Fred Storey) in the chair. There were also present Messrs. W. J. Rankin, S. Nevin, J. Long, S. McDowell, S. Suffern, J. McAuley, E. J. Roberts, D. A. Taylor, C. B. Abernethy, and S. Haydock. Reports from the Finance Committee and Law Committee were considered. A letter was read from the London Chamber of Commerce (Perfume Manufacturers' Section), relative to the amendment to the Finance Bill, to reduce the duty on alcohol. The chairman stated this duty had killed the sale of perfume of certain classes. He understood the Ulster Retail Drug Trade Association had appointed a Committee to deal with the matter, and the meeting decided to leave it in the hands of a Committee consisting of the chairman, Messrs. Suffern and Rankin. It was agreed to have a motor run and picnic round the Antrim coast to Garron Tower on June 18.

Leeds.—The fifty-sixth annual, and final, meeting of the Leeds Chemists' Association took place on May 29 at the Commercial Hotel, Leeds, Mr. H. Roberts presiding over a fairly good attendance. The annual report was presented by the hon. secretary (Mr. A. W. Lupton), and the financial report, presented by the hon. treasurer (Mr. F. Midgley), showed that the year commenced with a balance in hand of £32 19s. 1d., and finished with a balance in hand of £27 6s. 7d. Mr. M. E. Murray moved, and Mr. F. Pilkington Sargeant seconded, a recommendation by the Council of the association that the Leeds Chemists' Association be wound up; that one of the first charges on the remaining funds be the preparation of a framed scroll, recording the names of Presidents and secretaries of the association throughout its fifty-six years' history, and a brief outline of that history; that the association's library be placed in the charge of Mr. F. Pilkington Sargeant; and that the remainder of the funds, if any, be divided between the Leeds area branch of the Pharmaceutical Society and the Leeds Branch of the Retail Pharmacists' Union, the President and secretary of the association to arrange the transfer of the library, minute books, and other properties of the association to Mr. Sargeant's keeping. Mr. Sargeant remarked that he hoped, in due course, to compile a complete history of the association and its work and achievements. The library would be housed

and used and be open to members of the Leeds Branch of the Pharmaceutical Society at any time. (Hear, hear.) The President said the Leeds Association had been a wonderful association, but had now reached the point where it must cease to function because its duties and responsibilities were taken over by the Pharmaceutical Society branch and trade matters of the Leeds chemists were taken over by the R.P.U. branch. The dignity of the association would be lowered if it were to be continued, with President and other officers, merely to organise an occasional social function. (Hear, hear.) The President then formally, from the chair, endorsed the proposition of the Council that the association be wound up, and the proposition was carried unanimously. On the motion of Mr. Murray, seconded by Mr. J. Calverley, a vote of thanks was awarded the officers for their services during the past year, special mention being made of the enthusiastic and efficient labours of Mr. A. W. Lupton, the hon. secretary, who continues as hon. secretary of both the Pharmaceutical Society branch and the R.P.U. branch in Leeds. Mr. F. Pilkington Sargeant said he felt it was due to him to offer his warm thanks to the members of the late association for all that they had done for him, both throughout his connection with the association, in aiding his first election to the Council of the Society, and in helping to secure his recent re-election to that body. Mr. H. Gillegan said he also owed thanks to the members for their help to himself in connection with the work of the association, in his election as a member of the first Executive of the R.P.U., and his recent re-election to that body. The President said they must remember that for the future there must be no separation into different units. Though they divided the work of pharmaceutical organisation into branches of two independent national organisations, they were of the same people, and they must maintain complete harmony between the two organisations, each of which had its own separate functions. (Hear, hear.) Mr. Gillegan said he could assure the meeting, as a member of the Executive of the R.P.U., that that body would continue the work on the business side that had hitherto been done by the association.

New Books

Thorp, Joseph.—*Commonsense Health without Fads or Fancies*. 7½ in. by 4½ in. Pp. 70. J. C. Eno, Ltd., Victoria Embankment, London, E.C. 4. [Consists of nine chapters, with such titles as "Food and Drink," "Sleep," and "Clothing." As the author remarks in his preface: "Eno's 'Fruit Salt' is mentioned only once, and that very briefly, in the text . . ." Within his self-appointed limits he gives a well-balanced series of hints on the preservation of health, avoiding technicalities and preserving an entirely readable style.]

Blaque, G.—*Les Plantes à Thymol*. 9½ in. by 6½ in. Pp. 77. Frs. 10. Office National des Matières Premières Végétales, 44 Rue de Bellechasse, Paris.—[In the introduction the author draws attention to the great rise in price in thymol between 1914 and 1918, from 7s. 6d. to 45s. a pound, and refers to the successful efforts of the Imperial Institute in promoting the manufacture of thymol in Great Britain. After a brief review of the methods of manufacture at present in use, and to the synthesis of thymol, the determination of its content in plants is discussed. The following 45 pages are devoted to a methodical description of the botanical characters, cultivation and thymol content of 15 different plants in which this body is present, the amount found in the essential oil varying between 64.3 per cent., in certain varieties of *Monarda punctata*, Lin., and 19 per cent., in *Satureia Thymbra*, Lin. The author holds that only three species deserve to be taken into consideration for cultivation, with a view to the manufacture of thymol: *Thymus Zygis*, *Ocimum gratissimum*, and *Carum copticum*. In 1922 France imported 2,527 kilograms of thymol, and in the practical absence of any French production, the author advocates the cultivation of thymol-yielding plants in the French colonies.]

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1924, p. 289.

(From "The Trade-marks Journal," May 14, 1924.)

"ALTRUDA"; for perfumery, etc. (48). By W. B. Cartwright, Ltd., Mount Vernon Road, Rawdon, near Leeds. 447,118.

Trade-mark Altered

Leave has been given to E. C. De Witt & Co., Ltd., to alter Trade-mark No. 348,633, which is now represented as follows:—"De Witt's Kidney and Bladder Pills. These Pills also act on the Liver," with mountain range device and facsimile signature.

(From "The Trade-marks Journal," May 21, 1924.)

"MAGICOL"; for photographic developer (1). By H. G. W. Lansdowne, 33 Cyril Road, Small Heath, Birmingham. 446,759.

"BOVOLINE"; for cattle medicines (2). By Hickman & Metcalf, 146 Bartholomew Street, Newbury. 443,428.

"AFTEA"; for veterinary chemicals (2). By Società Anonima Prodotti Iozzi, 9 Piazza S. Felice, Florence, Italy. 444,081.

"NEWCOL"; for disinfectants (2). By Newton, Chambers & Co., Ltd., Thorncliffe Ironworks and Collieries, near Sheffield. 447,213.

"POTTER'S ASTHMA CURE," "POTTER'S ASTHMA POWDER," and "POTTER'S ASTHMA CIGARETTES," all with label device, including winged lion on circle; for asthma remedies (3). "PALACE"; for perfumery, etc. (48). By Potter & Clarke, Ltd., 60 Artillery Lane, London, E.1. 444,921/922/924. (Associated.) 445,119.

"FALCON"; for medicinal liquorice paste (3). By MacAndrews & Forbes, Ltd., Bush House, Aldwych, London, W.C.2. 445,220. (Associated.)

"SOLDORIN DE COLONIAL"; for a medicine (3). By W. J. Solomon, 147 Gray's Inn Road, London, W.C.2. 446,237.

"CYK-LEM-BRO"; for embrocation (3). By F. S. Searle, 25 Waghorn Road, Upton Park, London, E.13. 446,929.

"CHIRO," "DIGIPROP" and "DIGYKORN"; for all goods (11). By F. W. Hol and, 46 South Audley Street, London, W.1. 446,869/870/871.

"LIBRA"; for photographic papers (39). By Kodak, Ltd., Kingsway, London, W.C.2. 445,959.

"COLGATE'S"; for toilet articles (48). By Colgate & Co., 199 Fulton Street, Manhattan, New York, U.S.A. B443,585.

"PETALA"; on label device; for perfume, brillantime and vanishing cream (48). By D. T. Evans, Ltd., 1 High Street, Margate. B439,040.

"PEROXIGEN"; for tooth paste (48). By Wigglesworth, Ltd., Church Street, Westhoughton, Lancs. B443,351.

"5 POINT"; ("5" disclaimed); for perfumery, etc. (48). By Modern Soaps, Ltd., The Trading Estate, Bath Road, Slough. 446,453. (Associated.)

"NOROX"; for hair dyes (48). By Doris M. Ducker, Thorney House, Thorney, Colnbrook, Buckinghamshire. 446,793.

"DARIPAN"; for manicure preparations (48). By Dr. M. Albersheim, 15/17 Lützowstrasse, Frankfurt-on-Main, Germany. 447,126.

(From "The Trade-marks Journal," May 28, 1924.)

"LENTI"; for chemicals (1). By Chemische Fabriken vorm. Weilerter-Meer, Rheinuferstrasse, Uerdingen, Niederrhein, Germany. 447,197.

"TERETTON"; for chemicals (1). By Foster Blackett & Wilson, Ltd., Blackett Street, Hebburn-on-Tyne. 447,274.

"SOLSERVO"; for chemicals (1) and (2). By Robin & Houston, Ltd., Wright Street, Renfrew. 447,316/317. (Associated.)

"DERRIMAO"; for chemicals (2). By McDougall & Yalding, Ltd., near Hampstead Lane, Yalding, Kent. 447,477. (Associated.)

"CREPHETTE"; for disinfectants (2). By McDougall & Robertson, Ltd., 66 Port Street, Manchester. 446,939. (Associated.)

"EULAN"; for insect and moth destroyers (2). By E. E. Mayer, Fawcitt & Co., Ltd., 6 Lloyd's Avenue, London, E.C.3. 447,498.

"NIPPOS"; for veterinary medicines (2). By Osmond & Son, Ltd., Doughty Road, Grimsby. 447,541.

"THERAFOR"; for medicinal chemicals (3). By British Dyestuffs Corporation, Ltd., 70 Spring Gardens, Manchester. 445,443.

"LIOLYNE"; for medicinal chemicals (3). By T. P. Morgan and W. H. Prior, 92 Ealing Road, Wembley. 446,337.

"ANDREWS' LIVER SALT, THE FOUNTAIN OF HEALTH, etc.," on label device, including fountain; for liver salt (3). By Scott & Turner, Ltd., 4 Gallowgate, Newcastle-on-Tyne. 447,010. (Associated.)

"SPAQUA"; for food substances (42) and for mineral waters, etc. (44). By Seth Smart, Ltd., Wellington Street, Cardiff. 446,620/621. (Associated.)

"GLAXO," with label device, including baby on circle and letterpress in Spanish and Portuguese; for a milk food (42). By J. Nathan & Co., Ltd., 56 Osnaburgh Street, London, N.W.1. 446,564/565/566. (Associated.)

"STAR BRAND" with star-shaped device; for flavouring essences, etc. (42). By A. Boake, Roberts & Co., Ltd., 100 Carpenter's Road, Stratford, London, E.15. 447,642. (Associated.)

"COLGATE'S"; for toilet articles (48). By Colgate & Co., 199 Fulton Street, Manhattan, New York, U.S.A. B433,535.

"ARCHER'S TRANSPARODENT," with device forming letter "A" enclosing archer on horseback ("A" and "Archer's" disclaimed); for perfumery etc. (43). By Archer's Manufacturing Co., Ltd., Church Wharf, The Mall, Chiswick, London, W.4. 444,692. (Associated.)

"PALM OIL SOAP" on label device, including head of lady; for soap (48). By Danish Soap Industry, Ltd., 49a Old Bailey, London, E.C.3. 445,768.

"FRIPP'S" with label device of fruit, etc.; for soap (48). By Fripps, Ltd., 3 Broad Plain, Bristol. 444,920. (Associated.)

(From "The Trade-marks Journal," June 4, 1924.)

"HOWSE'S" with device of two houses; for chemicals (1). By T. Howse, Ltd., Union Street, Smethwick, Staffordshire. 445,613. (Associated.)

"BRENITE"; for chemicals (1). By F. A. Menzies, 42 Chester Terrace, Sloane Square, London, S.W.1. 446,633.

"ZINC SPRA" with device ("Zinc Spr" disclaimed); for chemicals (1). By the Crittall Manufacturing Co., Ltd., 246 High Holborn, London, W.C.1. 447,174.

"SMEAROLEUM"; for plant washes (2). By Thomas & Co., Ltd., 19 Oldhall Street, Liverpool. 446,034.

"NAGANOL BRAND"; for chemicals (2) and for medicinal chemicals (3). By A. C. Henry, 19 St. Dunstan's Hill, London, E.C.3. 446,356/357. (Associated.)

"THE 'ANDI' BRAND FLY AND INSECT POWDER," etc., on two cone-shaped labels; for insect powder, made from Dalmatian flowers (2). By Armitage Brothers, Ltd., 15 Castle Gate, Nottingham. 444,866.

"MORMITT"; for chemicals (2). By Société Anonyme Parfumerie et Savonnerie Gilot, 68 Faubourg St. Martin, Paris. 447,455.

"WINKWORTH'S REMEDY, THE GREAT NEURALGIA CURE," with picture of bird and lady ("Winkworth's" disclaimed); for a neuralgia medicine (3). By A. E. Winkworth, 21 Beaufort Avenue, Barton Hill, Bristol. 436,223.

"SULRUMA"; for medicated bath salts (3) and for perfumery, etc. (48). By T. E. Rule, 58 Gower Street, London, W.C.1. 441,479/466. (Associated.)

"REDFOGEN"; for medicinal chemicals (3). By B. Radford, 9 Progress Buildings, Cheetham Hill Road, Manchester. 445,104.

"DAZLO"; for medicinal chemicals (3) and for perfumery, etc. (48). By Tokalon, Ltd., 212 Great Portland Street, London, W.1. 446,204/205. (Associated.)

"MAGOMILK" and "BISMOSTAB"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 447,044; 447,724. (Associated.)

"TIFF-O-TAN"; for medicinal chemicals (3). By Charley Dean, 78 Yorkshire Street, Rochdale. 448,188.

"ANFUMOR"; for a medicine (3). By S. Barlow, 158 Brick Lane, London, E.1. 447,148.

"KODAK"; for goods (8), except photographie apparatus. By Kodak, Ltd., Kingsway, London, W.C.2. 439,492. (Associated.)

"SALZIUM"; for all goods (48). By H. J. Smith (Chemists), Ltd., 2 Stanley Road, Acton, London, W.3. 447,573. (Associated.)

"KIKKIF"; for perfumery, etc. (48). By Danish Soap Industry, Ltd., 49a Old Bailey, London, E.C.4. 444,312.

"CAPPI"; for perfumery etc. (48). By Parfums Cheramy, 19 Rue Cambon, Paris. 447,547.

"SEABURN"; for perfumery, etc. (48). By Wigglesworth, Ltd., Church Street, Westhoughton, Lancs. 447,825.

Essential Oil Imports

January 1 to March 31, 1924

OIL	QUANTITY	SOURCE
Almond ..	4 cases	France
Anise ..	3 cases	Italy
Bay ..	10 cases	U.S.
Bergamot ..	25 drums	China
Bireh, sweet ..	2 drums	France
Bois de Rose ..	37 cases, 15 \times $\frac{1}{2}$ cases	B.W.I.
Bois de Rose ..	104 cases, 16 \times $\frac{1}{2}$ cases	Italy
Bois de Rose ..	5 cases	U.S.
Bois de Rose ..	5 cases	France
Bois de Rose ..	1 case	W. Australia
Bois de Rose ..	£1,080 (value)	Holland
Bois de Rose ..	6 cases	Dutch E. Indies
Bois de Rose ..	50 cases	Keeling Is.
Bois de Rose ..	2 cases	Japan
Bois de Rose ..	120 cases	China
Bois de Rose ..	12 drums	U.S.
Bois de Rose ..	4 cases, 7 drums	Java
Bois de Rose ..	9 drums	Holland
Bois de Rose ..	1 case	Germany
Bois de Rose ..	1 pkg., 18 cases, 1 pt.-case	China
Bois de Rose ..	1 case	Japan
Bois de Rose ..	8 drums, 355 cases	U.S.
Bois de Rose ..	15 cases	France
Bois de Rose ..	21 cases, 1 drum	U.S.
Bois de Rose ..	2 cases	France
Bois de Rose ..	1 drum	U.S.
Bois de Rose ..	1 case	Ceylon
Bois de Rose ..	1 case	Seychelles
Bois de Rose ..	43 cases	Ceylon
Bois de Rose ..	3 cases	Kenya
Bois de Rose ..	5 drums	Seychelles Is.
Bois de Rose ..	24 drums	Brit. India
Bois de Rose ..	12 drums	Madagascar
Bois de Rose ..	1 pkg., 4 drums	Germany
Bois de Rose ..	2 cases	Holland
Bois de Rose ..	1 pkg.	Hungary
Bois de Rose ..	1 case	Holland
Bois de Rose ..	1 pot	Brit. India
Bois de Rose ..	128 drums	Ceylon
Bois de Rose ..	7 drums, 5 crts.	Burmah
Bois de Rose ..	58 drums	Java
Bois de Rose ..	12 drums	Holland
Bois de Rose ..	1 drum	Germany
Bois de Rose ..	777 cases, 9 drums	Victoria
Bois de Rose ..	433 cases	N.S.W.
Bois de Rose ..	36 cases	S.Aust.
Bois de Rose ..	60 cases	Queensland
Bois de Rose ..	30 drums	Spain
Bois de Rose ..	3 cases	Belgium
Bois de Rose ..	1 case	Spain
Bois de Rose ..	2 cases	Holland
Bois de Rose ..	1 case	Holland
Bois de Rose ..	2 pots	Brit. India
Bois de Rose ..	1 drum	Réunion
Bois de Rose ..	16 drums, 17 cases	France
Bois de Rose ..	8 cases, 5 drums	Algeria
Bois de Rose ..	5 cases	Holland
Bois de Rose ..	2 cases	U.S.
Bois de Rose ..	11 cases	Italy
Bois de Rose ..	29 pkgs., 9 cs., 2 drums, 1 ck.	France
Bois de Rose ..	3,011 cases	Italy
Bois de Rose ..	10 drums	Brit. India
Bois de Rose ..	2 cases	Brit. Guiana
Bois de Rose ..	11 pkgs., 36 cases, 27 drums	B.W.I.
Bois de Rose ..	1 case	Germany
Bois de Rose ..	7 cases, 5 \times $\frac{1}{2}$ cases	Italy
Bois de Rose ..	445 cases	Japan
Bois de Rose ..	100 cases	Brit. India
Bois de Rose ..	6 pkgs.	France
Bois de Rose ..	179 cases, 7 pkgs.	B.W.I.
Bois de Rose ..	1 brl.	France
Bois de Rose ..	24 cases, 4 drums	U.S.
Bois de Rose ..	186 cases	Italy
Bois de Rose ..	5 \times $\frac{1}{2}$ cases, 12 \times $\frac{1}{4}$ cases	Cyprus
Bois de Rose ..	9 pkgs.	Brit. India
Bois de Rose ..	9 cases	France
Bois de Rose ..	2 pkgs.	U.S.
Bois de Rose ..	1 case	Anatolia
Bois de Rose ..	£950 (value)	Brit. India
Bois de Rose ..	60 pots	Straits
Bois de Rose ..	25 drums	France
Bois de Rose ..	51 cases	U.S.
Bois de Rose ..	6 cases	Holland
Bois de Rose ..	8 cases	Checho-Slovakia
Bois de Rose ..	217 cases	Denmark
Bois de Rose ..	2 drums	Italy
Bois de Rose ..	3 cases	Germany
Bois de Rose ..	5 cases	France
Bois de Rose ..	65 cases	Argentina
Bois de Rose ..	1 drum	U.S.
Bois de Rose ..	1 case	Germany
Bois de Rose ..	67 cases	Holland
Bois de Rose ..	10 cases	B.W.I.
Bois de Rose ..	3 cases	Holland
Bois de Rose ..	2 cases	U.S.
Bois de Rose ..	2 cases	Holland
Bois de Rose ..	2 cases, 5 brls.	U.S.
Bois de Rose ..	27 drums	

OIL	QUANTITY	SOURCE
Pine ..	27 brls.	Russia
Pine (pumilio) ..	1 pkg.	Austria
Rose ..	1 case	France
Rose ..	1 case	Holland
Rosemary ..	12 drums, 1 brl.	Spain
Sage ..	3 drums	W. Australia
Sandalwood ..	58 cases	Brit. India
" ..	467 cases	Holland
" ..	3 cases	Germany
Sassafras ..	4 cases	U.S.
" ..	20 cases, 1 drum	U.S.
Spearmint ..	10 cases	Spain
Spike ..	10 cases, 35 drums	France
" ..	7 cases, 2 pkgs.	U.S.
Spruce ..	2 cases	U.S.
Tansy ..	2 cases	U.S.
Thyme ..	7 drums	Spain
" ..	6 cases	France
" ..	1 drum	Palestine
" ..	1 drum	Holland
Verbena ..	1 case	Spain
Vetivert ..	1 drum	Réunion
Wormseed ..	8 cases	U.S.
Wormwood ..	1 case	U.S.
Ylang ..	7 cases, 4 drums	France

Anglo-Finnish Trade

FOLLOWING the ratification of the Commercial Treaty between Great Britain and Finland, signed at Helsingfors on December 14, 1923, the reduced rates of duty granted on certain French imports will, by virtue of the most-favoured-nation clause, be applicable to the same goods of British origin. The following figure among the articles which henceforth benefit; the tariff charge and rates are given in Finnish marks for one kilogram.

Tariff No.		Tariff rate	Preferential rate
		Finnish marks	
136	Saffron, vanilla and vanillin..	150.00	105.00
162	Mineral waters ..	2.00	0.87
828	Perfumed soaps, including liquid soaps.	40.00	21.25
862	Acetic ether, and other ethers not specifically mentioned.	80.00	40.00
868	Bitter almond oil, terpineol, safrol, menthol, heliotropin, coumarin, musk, and other natural or synthetic essential oils not specifically mentioned.	80.00	32.00
869	Rose water, orange flower water, perfumed waters not containing alcohol or ether.	16.00	24.00
	If containing ether or alcohol, and including hair dyes:		
870	In packages of 3 kg. gross, or over.	160.00	70.00
871	In packages of less than 3 kg. gross.	240.00	105.00
872	Pomades, perfumed fats ..	200.00	87.50
873	Rice powder, cosmetics, tooth powders and pastes, and other articles of perfumery not specifically mentioned.	200.00	87.50

With the exception of the articles enumerated under tariff No. 136, the duty on the above-mentioned goods is levied on the total weight, including containers.

A resolution of the Finnish State Council of December 21, 1923, reduces the rates of duty on certain goods. These include (Finnish marks for 1 kilogram) :—

Tariff No.		Old rate	New rate
		Finnish marks	
126	Liquorice, not containing sugar, spices, etc., in blocks or in sticks of not less than 1 cm. diameter.	4.00	3.00
125	Liquorice, other kinds..	12.00	9.00
128	Cinnamon, cassia ..	36.00	30.00
861	Ether ..	10.00	9.00
896	Caustic soda, solid and liquid..	0.80	0.40
903	Bleaching powder ..	0.40	0.20

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbiling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, June 5.

THERE is no improvement in business conditions in the Mincing Lane produce markets, and the general tone has been extremely dull. The further relapse of the French exchange, consequent on the political crisis in that country, has added to the unsettled feeling. Sugar has been adversely affected by the increased estimates of the Cuban crop, and the feeling is pessimistic. In drugs, new crop cascara sagrada to arrive has been sold more freely at fluctuating but easier prices on the whole. Honey has been selling since the auction at slightly below recent private rates. Siam benzoin is firm, and has been in fair demand recently for export. Menthol is nominal, and in the absence of demand is cheaper. Japanese vegetable wax is scarce on the spot and held for a substantial advance. Lemon oil continues very dear in Sicily, but London can offer at several pence below Sicilian prices. Para tonka beans have been in fair demand for the Continent. Spices have been slow of sale; black and white pepper quiet and easier. Zanzibar cloves have also been quiet over a lengthy period, but close steadier; Cochin ginger is unchanged and supplies are very short. Sierra Leone, however, sells well. Dutch caraway and coriander seeds are cheaper. In the pharmaceutical chemical group prices are much on the same level as last week. Methyl salicylate and sulphonal are cheaper, while methyl sulphonal is higher. Potassium and sodium citrates and iron ammon. cit. are 2d. per lb. dearer; vanillin continues firm. Tartaric and citric acids remain in fair demand at late values. Among industrial chemicals the situation remains unchanged. Cornish arsenic continues neglected; acetone, acetic acid and barium chloride are easier. Cream of tartar is rather cheaper; oxalic acid is unsettled, and sodium nitrite has been reduced. In coal-tar products toluol is slightly firmer and pyridine easier. Among vegetable oils, castor, linseed, and turpentine are cheaper.

Higher	Firmer	Easier	Lower
Ginger oil	Anise, star, oil	Acetic Acid	Caraway oil
Iron ammon. cit.	Chloral hydrate	Acetone	Caraway seed
Methyl sulphonal	Toluol	Acid oils	(Dutch)
Potash citrate		Bergamot oil	Cassia oil
Sodium citrate		Camphor oil	Castor oil
		Cascara sagrada	(Eng.)
		(c.i.f.)	Linseed oil
		Coriander seed	Menthol
		Hemp seed	Sodium nitrite
		Orange oil	Spike oil
		Peppermint oil	Sugar
		(Amer.)	Terpineol
		Pyridine	Turpentine
		Salol	Wax, paraffin
		Soda salicylate	and scale
		Sulphonal	Wood oil
			(Hankow)

Cablegrams

NEW YORK, June 5.—Business is quiet. Menthol is lower at \$12.00, and peppermint oil in tins has declined to \$4.10 per lb. Mexican sarsaparilla is cheaper at 18c. per lb., and mercury has been reduced to \$75.00 per flask.

BERGEN, June 4.—The total catch of cod for the whole of Norway since the opening of the season amounts to 62,400,000, against 46,300,000 for the corresponding week of last year, and the yield of steam-refined medicinal oil is 105,549 hectolitres, against 79,145 hectolitres last year. Finest new non-freezing medicinal oil is nominal at 92s. to 90s. per barrel, c.i.f. principal U.K. ports.

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday :—

Place	Method of Quoting	Par of Exchange	May 28	June 4
Amsterdam	Fl. to £	12.107	11.55½—11.57½	11.53½—11.54
Berlin	M. to £	20.43	18-18½ billions*	18-18½ billions*
Brussels	Fr. to £	25.22½	94½—94½	98½—98½
Calcutta	Per rup.	24d.	16½d.—16½d.	16½d.—16½d.
Christiania	Kr. to £	18.159	31.43—31.48	31.80—31.85
Constantinople	Pst. to £	110	820—830	838—852
Greece	Dr. to £	25.22½	223—226	237—240
Italy	Lire to £	25.22½	98½—98½	99½—99½
Kobe	Per yen	24.58d.	22½d.—22½d.	22½d.—22½d.
Lisbon	Escu.	53½d.	1½d.—1½d.	1½d.—1½d.
Madrid	Pts. to £	25.22½	31.66—31.69	31.97—32.02
Montreal	\$ to £	4.86½	4.40—4.40½	4.38—4.38½
New York	\$ to £	4.86½	4.33½—4.33½	4.31½—4.31½
Paris	Fr. to £	25.22½	80.75—80.85	85.95—86.05
Singapore	Per doi.	27½d.	28½d.—28½d.	27½d.—28½d.
Switzerland	Fr. to £	25.22½	24.53—24.55	24.50—24.53
Vienna	Kr. to £	24.02	308,000—311,000	305,000—308,000

* Nominal.

Revue des Marchés

Sommaire des principaux mouvements des prix des drogues, essences, produits chimiques et pharmaceutiques sur le marché de Londres.

Abréviations d'usage employées pour indiquer les mesures de poids et de capacité:—Ton = 1016 kg.; Cwt.=50.8 kg.; lb.=453 gr.; oz.=28.34 gr.; Gal.=4546 c.c.

LE marché des drogues et des produits chimiques reste très calme; les affaires sont peu nombreuses, avec tendance à la baisse. En drogues, le cours du cascara sagrada de la nouvelle récolte, embarquement juillet/septembre, marque un recul. En benjoin de Siam, dont le prix reste ferme, la demande pour l'exportation est plus active; par contre, le benjoin de Sumatra est en baisse. Le cours du menthol continue à baisser et en raison de la faiblesse de la demande, le prix est purement nominal. En épices c'est le calme total. Les cours des produits pharmaceutiques ne dénotent guère de changements. L'acide citrique et l'acide tartrique, dont les prix sont inchangés, restent en bonne demande. On signale un raffermissement du prix de la vanilline. Pas de changements sur le marché des produits chimiques industriels; la pyridine, l'acide phénique, la crème de tartre, et l'acide acétique sont en tendance faible. L'essence de térbenthine, l'huile de lin et l'huile de ricin sont en baisse.

Zum Marktbericht

Überblick über die wichtigsten Preisveränderungen auf dem Londoner Drogen- und Chemikalienmarkt.

Abkürzungen:—Ton=1016 kg; Cwt.=50.8 kg; lb.=453 gr; oz.=28.34 g; Gal.=4546 ccm.

DIE Geschäftslosigkeit am Londoner Drogen- und Chemikalienmarkt hält weiter an; die Stimmung ist lustlos bei fallender Tendenz. Cascara Sagrada, neue Ernte, Juli/September Verschiffung, verkehrte billiger und es fanden einige Abschlüsse statt. Siam-Benzoe lag fest und wurde in letzter Zeit besonders für den Export begehrt; der Preis für Sumatra-Benzoe dagegen neigte nach unten. Menthol war vernachlässigt, bei weiter fallenden Preisen. Auf dem Gewürzmarkt stagniert das Geschäft. Ebenso waren pharmazeutische Produkte bei unveränderten Preisen wenig gesucht. Methylsalicylat und Sulfonal wurden billiger angeboten; dagegen zog der Preis für Vanillin weiter an und auch Methylsulfonyl war höher bewertet. Die Nachfrage für Citronen- und Weinstein-säure hielt unverändert an. Unverändert lagen auch Schwermetalle; die Notierungen für Aceton, Essigsäure, Baryumchlorid, Weinstein, Pyridin und Karbolsäure gingen leicht zurück. Leinsamen, Holz-, Rizinus- und Terpenöl verkehrten billiger.

Crude Drugs, etc.

ANTIMONY.—There has been rather a better demand, and the tone is steady to firm, with English refined standing at £49 10s. to £50 per ton. A substantial premium is wanted for spot Chinese regulus, business having been reported at as much as £43, although it might still be done at £42. For forward shipment there are, however, sellers at £34 10s. c.i.f.

ARECA is quite unobtainable on the spot, and at the moment there appears to be nothing on the way; 45s. per cwt. was the last price paid.

BALSAMS.—Tolu is 6s. 9d. to 7s.; Oregon balsam of fir, 1s. 6d.; Canada balsam, 6s. 6d.

BENZOLIN.—Siam keeps firm, and of late a very fair quantity has been sold, chiefly to U.S.A. Bold selected bean size offer at £30 down to £15 for small grains. Palembang is offered at cheaper rates; 70s. per cwt. will buy good seconds. Sumatra is slow of sale at from £8 5s. to £9 10s.; quality of the shipments show a decided improvement this season.

BISMUTH.—There is a moderate demand for metal on the basis of 10s. per lb. Ample supplies are coming forward.

CAMPHOR (REFINED) remains flat, the nominal quotation of Japanese 2½-lb. slabs being 3s. per lb.; to arrive, May-June shipment is quoted at 2s. 10d. c.i.f. *Crude* on the spot is 2s. 9d., and May-June shipment 2s. 7d. c.i.f.

CARAWAY SEED.—Dutch is easier, spot offering at 89s. per cwt. for prompt shipment, and 46s. 6d. c.i.f. for August shipment.

CASCARA SAGRADA.—New crop has been selling at rather cheaper rates, including July-September shipment from the Pacific coast in at least five-ton lots at from 97s. 6d. c.i.f. down to 90s. per cwt. c.i.f.; a fair amount of business has been done to arrive, and at the close quotations are higher, ranging from 93s. 6d. to 97s. 6d. c.i.f. Lowest price on spot is 165s., from which prices range from 170s. to 180s., as to age.

CLOVES.—Zanzibar have been quiet over a lengthy period, with spot sellers at 11d. to 11½d. per lb. as to quality. To arrive, there are buyers of May-July shipment at 11d. c.i.f., and October-December is quoted at 8½d. c.i.f. The weekly wharf statistics show that the landings were 167, while the deliveries were 788 bales, leaving a stock of 36,930 bales, against 17,263 bales in 1923.

COD-LIVER OIL.—Our Bergen correspondent writes on May 31 that the Finmarken codfishery last week gave a catch of more than 5 million cod, with a production of about 8,000 hectol. of cod-liver oil. The catch of this fishery has now reached 23,300,000 cod, against 12,300,000 in 1923, and 16,700,000 in 1922. The quantity of Finmarken cod-liver oil produced up to May 24, 1924, is 25,400 hectol., against 13,000 hectol. in 1923, and 20,900 hectol. in 1922. The total output of all the Norwegian codfisheries, compared with that of the previous years—is as follows:

	Catch of cod	Yield of steam refined cod liver oil	Livers for crude oils
To May 24, 1924 ..	58,200,000	105,500 hectol.	15,689 hectol.
" 26, 1923 ..	44,800,000	77,300 "	16,500 "
" 27, 1922 ..	45,900,000	76,000 "	14,700 "
" 28, 1921 ..	37,000,000	54,500 "	12,200 "
" 29, 1920 ..	33,000,000	50,000 "	5,400 "

The market continues dull at the nominal prices of 92s. to 90s. per barrel, c.i.f. London.

ERCOT is quiet with good bold Spanish offering at 1s. 2d. per lb. on the spot.

GUINEA GRAINS.—There appears to be nothing offering; nominal value is about 45s. per cwt. in Liverpool.

GINGER.—Cochin continues unaltered with supplies small; fair washed rough is 92s. 6d.; Calicut fine cut B, 135s.; C cut, 120s. African ginger has been in fair demand at steady prices; 82s. 6d. is quoted on the spot; Japanese is 98s. spot. We learn that the ginger season at Sierra Leone, which is now at an end, has been most encouragingly successful. This is largely due to the splendid work of the colony's Agricultural Department towards the improvement in quality.

HONEY.—Since the auctions further sales of honey have been made at slightly lower rates than those asked privately.

LEME JUICE.—Fine raw West Indian is scarce on the spot and firm at 3s. per gallon.

LIQUORICE ROOT.—Prices of natural range from 15s. up to 25s. per cwt., according to quality.

MAGNESIUM is in fairly brisk demand. Prices for small ingots and sticks vary from about 3s. 3d. to 4s. per lb., while powder is quoted from 4s. 6d. to 5s. 9d. per lb., a fair amount of Continental being available.

MENTHOL.—There is practically no demand, and the nominal value of Kobayashi-Suzuki on the spot is 55s.; to arrive the last business was at 54s. c.i.f. for declared stuff; June-July is 52s. 6d. c.i.f.

MERCURY.—Surface appearances have continued somewhat colourless, due to the fact that business has been idle, but the feeling nevertheless as to future developments is strong, the nearest quotation at the moment being £13 5s. per bottle, although some are holding for £13 10s. There is apparently very little Spanish available here. Importers are up against very stiff terms named by Continental producers. On occasional inquiries for new supplies these terms are nearly £1 a bottle over London parity. Spot sellers will only quote for small lots, so that were any large lots wanted the market would become quickly affected. Whatever is now selling at about the current quotation was presumably imported some time ago at considerably below current net c.i.f. terms. American news has come to hand of the output having been appreciably increased to about 1,200 bottles a month, which would indicate a recovery of about 50 per cent. from the worst returns for a year or so previous. This obviously is the outcome of the high price, and should be noted, although the serious shortage of Spanish is the main factor.

OPIMUM.—The following report has been received from Turkey:—

CONSTANTINOPLE, May 28.—“During the period May 14 to date arrivals were as follows: Druggists', 1,574; 'softs', 111; and Malatia, 108 cases. The stock amounted to: Druggists', 190; 'softs', 34; Malatia, 10. During the past fortnight 15 cases of druggists' were sold at £T23 to £T23½. No business was transacted in Smyrna. The Turkish markets are very quiet in expectation of the results (even if approximately) of the new crop. Certain interested parties maintain that in consequence of the drought the yield will not exceed that of last year; that is to say, 2,000 cases. However, according to our own advices, based on exhaustive reports received from our friends in the interior, the new crop is likely to yield at least 4,000 and at the most 5,000 cases, as the larger area now under cultivation will compensate any losses caused by the drought. With regard to prices, we do not believe that there will be any considerable drop, even should the crop yield 4,000 or more cases. During the last season growers and first-hand buyers realised considerable profits, and they are in a position to retain one-third of the production with a view to following the various phases of the market and to sell at opportune times.”

PEPPER is dull, with fair black Singapore offering at 4½d. per lb. on the spot. To arrive, sellers of June-August and July-September shipment quote 4½d. per lb. c.i.f. London, for f.a.q. Lampong is 5d. spot, and for August-October shipment 4½d. c.i.f. is quoted; fair Tellicherry is 5d., and Alleppy 4½d. per lb. on the spot. White Muntok is easier with spot sellers at 7½d. per lb.; to arrive, May-July has been sold at 7½d. to 7½d. c.i.f., July-September and August-October at 7½d. to 7½d. c.i.f.

RUBBER has displayed quite a steady tone since our last report. This is due to a better demand from America, combined with the continual improvement in the statistical position, stocks having been reduced by over 5,000 tons within the last month. The heavy shipments which are weekly leaving the country are not the result of recent purchases, but of purchases made several months ago. It seems obvious that this continual reduction in the home stocks should materially affect the trend of prices later in the year. The home consumers still abstain from buying any quantity and the demand is chiefly for the sole crêpe rubber, which is fetching over 2s. per lb. Quotations (Wednesday, 5 p.m.):—No. 1 standard crêpe and ribbed smoked sheet, spot and June, 10½d.; July-September, 10½d.; October-December, 11½d.; January-March, 11½d. per lb.

SEEDS.—The market continues quiet, with prices unchanged. The following are spot values: CANARY SEED is firm. Mazagan of good quality is offered at 29s. 6d. per cwt., and inferior at 28s. 6d. CORIANDER SEED,

sound Morocco, has been sold at 20s. per cwt.; CUMIN SEED, Malta 110s., Morocco 100s.; DILL SEED, 20s. to 21s.; FENNEL SEED, Indian 37s. to 40s.; FENUGREEK SEED, Morocco 21s. per cwt.; HEMP SEED, Manchurian 17s. 3d. per cwt.; LINSEED, Morocco 27s.; MUSTARD SEED, English 36s. per cwt.

SENEGA.—Spot holders quote 3s. 1d. per lb. on a slow market.

SENNA.—Tinnevely pods are unobtainable on the spot, and new crop is not expected for two to three months.

SHELLAC has shown slight fluctuations on spot, varying from 267s. 6d. to 265s., in bags, for usual standard orange T.N. quality, closing at the lower figure; fine second orange to superfine is 300s. to 360s.; A.C. cakey, 265s.; and G.A.L., 260s. For delivery, sales include August at 255s. to 255s., and October at 260s., closing value of the latter position being 252s. 6d.

STARCH PRODUCTS.—Dutch farina is unaltered at 19s. per cwt. on the spot, and 18s. per cwt. f.o.b. is quoted for prompt shipment. American maize starch powder is 16s. per cwt. on the spot, and Dutch is 16s. American maize starch crystals offer at 21s. 6d. net. Dextrin is 24s. 6d. for superior Dutch and 22s. 9d. for No. 2 on the spot. American canary is 19s. 3d., and white 19s. on the spot. Best rice starch crystals offer at 40s. for English, 33s. 6d. per cwt. for Continental.

SUGAR.—Following on the recent weakness a further reduction was made in the earlier part of the week in prices for British refined of 1s. per cwt., making Tate & Lyle's cubes 41s. to 42s., and fine granulated 38s. 7½d., demand being chiefly of hand to mouth owing to the want of confidence and further reduced quotations for imported descriptions. White Java May-June shipment on Wednesday was offering at 20s. 7½d. c.i.f., while American granulated sold at about 25s. 3d. c.i.f. London. In the terminal market white sugar type A fluctuated down to 21s. 4½d. for August, quotations having been influenced by adverse movements in New York futures, although Cuban sugar, which recently dipped to 3½c. per lb. cost and freight to New York, rallied from the worst. At Wednesday's close there were buyers of white sugar at 21s. 3d. for June, 21s. 7½d. for August, and 20s. for October-December, this showing a set-back of 9d. to 3d., according to position, against a week previous. The situation is dominated by the further increased estimates of the Cuban crop up to 4,075,000 tons, and refiners are buying very reluctantly.

TONKA BEANS have been in better demand lately, the Continent having been more in evidence as a buyer. Fair frosted Para offer at 1s. 11d., and ordinary at 1s. 3d. per lb., foxy 8d., part frosted Surinam offer at 2s. to 2s. 3d. per lb., but are not plentiful.

WAX, VEGETABLE.—Spot is very scarce, with sellers asking 107s. 6d. per cwt.; near steamer arrival is quoted 95s., and June-July shipment about 83s. c.i.f.

WITCH HAZEL EXT.—American distilled in forty-gallon casks (15 per cent. spirit) is quoted at 10s. 6d. per gallon, duty paid.

Essential Oils

BUSINESS generally is quiet, although there is a fair amount of inquiry for certain articles. Ginger oil is dearer. Star anise oil, which was sold at rather lower prices, is steadier. Bergamot and Sicilian orange are cheaper at the source. Camphor oil has sold at cheaper rates. Dutch caraway and American peppermint are easier. Cassia oil is lower, and Spanish spike has been in better demand at more favourable prices to buyers.

ANISE (STAR).—"Red Ship" shows a recovery from its lowest point, sellers now asking from 2s. 5d. to 2s. 6d. per lb., as to quantity. There are buyers at about 2s. 4d. in round lots. The c.i.f. price to arrive is 2s. 4d. for cases and 2s. 2d. for drums.

Approximately 260 tons of star anise oil were exported from Hongkong during 1923—a gain of about 80 tons, or 30 per cent. over the previous year. Increases are noted in the shipments to the United States, which took about 35 per cent. of the total, compared with 16 per cent. in 1922. The balance of the increases occurred in shipments to Continental Europe. Exports to Great Britain showed a decrease of about 30 per cent. The market, which was dull during the first part of 1923, gradually improved toward the end of the year owing to the increased demand from France and Spain.

BERGAMOT.—The c.i.f. price to arrive is cheaper, in some directions, offering from 18s. 3d. to 18s. 9d. per lb. as to percentage. On the spot sellers quote from 18s. 6d. to 19s.

BOIS DE ROSE (FEMELLE).—Spot is about steady at 20s. per lb.

CAMPHOR.—Sales of white essential oil have been made at the easier rate of 60s. per cwt. in cases. Drums are offered at the same figure.

CANANGA.—Java oil is offered on the spot at 10s. per lb. or a shade less.

CARAWAY.—Dutch double-distilled is easier on the spot, with sellers at from 31s. to 33s. per lb.

CASSIA on the spot is cheaper at from 7s. 6d. to 7s. 9d. per lb. for 80 to 85 c.a. The price for shipment is 7s. c.i.f., or a shade less.

CEDARWOOD.—American in tins is offered on the spot at 1s. 11d. per lb.

CINNAMON.—Ceylon has been inquired for on the spot, holders quoting at from 5½d. to 6d. per oz., in drums or cases.

CITRONELLA.—Ceylon on the spot is quiet, with sellers at about 3s. 6d. to 3s. 7d. per lb. on the spot. May-June shipment is offered at 3s. 5d. c.i.f. Java oil is firm on the spot at 5s. 4d. to 5s. 6d. per lb. The price quoted for shipment is 5s. 2½d. to 5s. 4d. c.i.f.

CLOVE.—English distilled is steady at from 7s. to 7s. 6d. per lb. as to seller and quantity.

CUBE OIL on the spot is offered at from 26s. 6d. to 28s. 6d. per lb.

DILL OIL is quoted on the spot at 24s. per lb. for East Indian and 27s. for B.P.

EUCALYPTUS.—On the spot prices are about steady at 2s. 1d. to 2s. 2d. per lb. for 70 to 75 per cent. cincol. For 80 to 85 per cent. 2s. 2½d. is quoted. The price quoted for shipment is 1s. 11d. c.i.f. for 70 to 75, and 2s. 1d. for 80 to 85. Demand is quiet.

GERANIUM.—Bourbon is in steady demand, with spot holders quoting at from 35s. to 37s. per lb. as to quantity.

GINGER.—There has been a fair demand recently, and Dutch distillation is dearer on the spot at about 32s. to 35s.

GINGERGRASS has been in demand and is scarce, with original pots offering at 7s. 9d. per lb.

LEMON on the spot is unchanged at from 3s. 3d. to 3s. 6d. per lb. The c.i.f. price is quoted at the same range.

LIME.—West Indian distilled is firm on the spot at 5s. 1½d. to 5s. 3d. per lb. Hand-pressed is 8s. 6d.

MENT.—Japanese dementholised Kobayashi-Suzuki is quiet at about 15s. 6d. per lb. on the spot, and 14s. 6d. c.i.f. to arrive.

ORANGE.—Sicilian sweet is cheaper, offering at about 12s. 3d. to 12s. 6d. per lb. on the spot or c.i.f. to arrive. West Indian sweet is easier, with spot sellers at 9s. 6d. per lb.

PALMAROSA on the spot is steady at 17s. 6d. per lb.

PATCHOULI.—Singapore oil is unchanged on the spot, with sellers at from 17s. 6d. to 18s. 6d. per lb., as to quantity.

PEPPERMINT.—Demand for American natural tin oil appears to be at a standstill, and in view of this, there might be an occasional spot seller round about 20s. 6d. per lb., although 21s. is the nominal figure.

PEITGRAIN.—Paraguayan is unchanged at about 2s. 6d. per lb. on the spot.

SASSAFRAS.—Genuine American natural is easier at 9s. per lb. on the spot.

SPIKE.—Spanish oil has been in fair demand at cheaper rates; spot is quoted at from 5s. to 5s. 3d.

THYME.—According to reports received from Spain, distillation of the thyme crop has commenced, but very little is being distilled. Although the reasons for this are obscure, it is stated that the two chief factors are: a greater demand than usual for labour in other directions, and the refusal on the part of distillers to pay the Government contribution. On the spot, prices are unchanged at 4s. 9d. per lb. for 28 to 30 per cent., and 5s. 9d. to 6s. for 50 to 55 per cent.

Pharmaceutical Chemicals, etc.

THERE is no material change in spot conditions to record. Prices quoted are much about the same as last week and business remains on the slow and small side. Continental prices are keeping up to their recent levels and support the spot market in most directions.

ACETANILIDE continues to be quoted at steady prices on spot at about 2s. 4d. to 2s. 5d. per lb., but the demand remains slow.

AMIDOL.—Spot holders are asking about 11s. 3d. to 11s. 6d. per lb. for imported.

AMIDOPYRIN remains quiet, with dealers quoting close up to 13s. per lb.

AMMONIUM BENZOATE seems of little interest: dealers quote at about 3s. 6d. per lb.

ASPIRIN.—The lower price quoted last week continues in force, with the market steadier but still rather quiet. Good brands on the spot are about 3s. 3d. per lb.

BARBITONE has been inquired for once or twice, with dealers quoting steadily in the region of 15s. 6d. per lb.

BENZALDEHYDE .03 shows no change on the week, with dealers asking close up to 3s. 6d. per lb.

BENZOIC ACID (B.P.) on spot is available in small lots at about 3s. 6d. per lb.

BENZONAPHTHOL is offered at level rates on the week from 5s. 6d. to 6s. per lb.

BETANAPHTHOL is very steady and in small supply, with dealers quoting at about 3s. 6d. per lb. for resublimed.

BROMIDES.—The tendency noticed in this market for prices to harden has not materialised to any extent on account of the ample supplies and plentiful offers that are on the market. Ammonium is available from 9½d. to 10d. per lb.; potassium, B.P. crystals and granular, 7½d. to 7¾d.; sodium, B.P. crystals and granular, 8d. to 8½d. per lb.

CALCIUM LACTATE is steady and moving off fairly well, with dealers' prices from 1s. 7d. to 1s. 8d. per lb., according to quantity. Good English make can also be had at 1s. 7d.

CHLORAL HYDRATE is still in fair request, and dealers' prices are well held at 3s. 7d. to 3s. 9d. per lb. for duty paid crystals. Higher prices are quoted from the Continent.

CITRATES have advanced 2d. per lb. by makers. Potassium is 2s. 2d. to 1s. 10d.; sodium citrate, B.P.C., 1911, 1s. 11d. to 1s. 7d., and U.S.P. 2s. 2d. to 1s. 10d. per lb., according to quantity; ferri ammon. cit., B.P. 2s. 5d. to 2s. 1d.; ditto, U.S.P. 2s. 2d. to 1s. 10d.; green, 3s. 2d. to 2s. 8d.

CITRIC ACID (B.P. crystals).—The spot position keeps very firm, with a tendency to harden. Supplies are available in quantities from 1s. 6d. to 1s. 6½d. per lb., less 5 per cent.

CREOSOTE (B.P.) shows no change on the week, being quoted at about 2s. 6d. per lb. by dealers.

CREOSOTE CARBONATE is nominal on a neglected market at about 6s. 6d. per lb.

GUAIACOL CARBONATE is steady, with not much offering: quoted at 12s. 6d. per lb.

HEXAMINE is in free supply on spot, but prices are steadily held, close up to 3s. 8d. to 3s. 9d. per lb. Market dull.

HYDROQUINONE continues to find good business, and dealers' prices are well maintained, from 4s. 3d. to 4s. 9d. per lb., according to quantity; a shade less for large quantities.

LACTIC ACID (B.P.).—Last week's firmer rates are still quoted, but the market is not active; about 2s. 8d. to 2s. 9d. per lb.

METHYL SALICYLATE shows a fall on the week, with dealers quoting about 2s. 2d. to 2s. 4d. per lb. as to quantity.

METHYL SULPHONAL from dealers is at the higher price of 27s. to 27s. 6d. per lb., with little available.

PARAFORMALDEHYDE has been in more demand, with dealers' selling price about 3s. 4d. to 3s. 6d. per lb.

PARALDEHYDE from dealers has been moderately active, with prices from 1s. 5d. per lb.

PHENACETIN.—This market keeps very steady and spot prices are well held as quoted from 6s. to 6s. 3d. per lb., with an advance possible.

PHENAZONE shows no change on the week after a period of dull markets. Dealers quote at about 7s. 9d. to 8s. per lb.

PHENOLPHTHALEIN keeps up to the improved figures of last week of about 7s. to 7s. 3d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Dealers continue to do a very fair business at about 7¾d. per lb., in drums.

POTASSIUM SULPHOGUAIACOLATE remains inactive, with the price nominal at about 6s. per lb.

RESORCIN, as quoted at 5s. 9d. per lb., is rather weak on a dull market.

SACCHARIN 550 shows no change. Dealers quote 62s. 9d. to 65s. per lb., duty paid, according to quantity.

SALICYLIC ACID (B.P.).—Last week's easier price of 1s. 9d. per lb. is still quoted, but a shade less would probably be accepted by dealers for good business. Market is weak.

SALOL is quoted easier at 3s. 6d. per lb., but business is slow.

SODIUM BENZOATE (B.P.) is available in small lots, with the price mentioned about 5s. per lb. for reliable quality.

SODIUM DIETHYLBARBITURATE is neglected; dealers' prices are nominal at 17s. per lb.

SODIUM SALICYLATE.—Last week's cheaper prices continue in force. The market is not very active and the tone rather easier. B.P. crystals, 2s. 6d. to 2s. 7d., flake, 2s. 9d. to 2s. 10d., powder, 2s. 3d. to 2s. 6d. per lb.

STRYCHNINE.—Makers' list prices are: Alkaloid cryst., 3s. per oz., and precip. 2s. 11d.; arseniate, 2s. 9d.; bisulphate,

2s. 3d.; hydrochloride, 2s. 6d.; hypophosphite, 4s.; nitrate, 2s. 6d.; phosphate, 2s. 9d.; and sulphate, 2s. 4d. per oz.

SULPHONAL is a shade easier on quotation this week with dealers asking close up to 16s. 6d. per lb.

TANNIC ACID.—Leviss remains quiet, with the selling price generally something below the quoted price of 3s. per lb.

TARTARIC ACID.—During the past week there has been a fair volume of inquiry, but with stocks still ample the market has not hardened to any extent. Spot, about 1s. 1½d. to 1s. 2d. per lb.

TERPIN HYDRATE is steady on a quiet market as quoted at 1s. 8d. per lb.

THYMOL is quoted by dealers close up to 15s. 6d. per lb.

VANILLIN.—The spot position continues to harden and dealers are now looking for 25s. 6d. to 26s. per lb., and these rates seem likely to hold.

The following average prices are quoted by British makers: Camphoric acid, 21s. to 19s. per lb. Bismuth salts: Carbonate, 14s. 9d. to 12s. 9d.; subnitrate, 12s. 9d. to 10s. 9d.; citrate, 13s. 4d. to 11s. 4d.; salicylate, 12s. 2d. to 10s. 2d.; cadmium sulphate, pure, 4s. 6d. to 4s. 3d.; ether, s.g. 0.720, 1s. 6½d. to 1s. 2½d.; purif. ex S.V.M., 2s. 2d. to 1s. 10d. per lb.; phosphoric acid, s.g. 1.750, 1s. to 11d. per lb.; potass. acetate, 1s. 4d. to 1s. 1d. per lb.; sodium nitro prusside, 16s. per lb.; sodium sulphide, pure recryst., 1s. 2d. to 10d.; terebene, 2s. 8d. to 2s. 6d. per lb.; boric acid, B.P. crystals, £54 per ton, powder, £58, carriage paid to any station in Great Britain; pyrogallallic acid, 7s. per lb. for 1-cwt. lots of crystals; ammonium carbonate, £37 per ton; chloroform, 2s. per lb. in cwt. lots; market is more active and makers busy. Potassium iodide, 16s. 8d. to 17s. 5d. per lb.; iodoform, 22s. 4d. to 21s. 6d. per lb.; ammonium iodide, 20s.; sodium iodide, 19s. 6d. to 18s. 10d. per lb.; soda metabisulphite cryst., 37s. 6d. to 60s. per cwt., net; tartar emetic, 1s. per lb.; salicin, 15s. to 14s. per lb. Mercurials: Red oxide, 5s. 4d. to 5s. 3d. per lb.; corrosive sublimate, 3s. 7d. to 3s. 6d.; white precipitate, 4s. 8d. to 4s. 7d.; calomel, 4s. to 3s. 11d. per lb.; quinine sulphate, 2s. 3d. per oz.; hydrochloride, 2s. 9d. per oz.; quinine ethyl carbonate, 2s. 11d. per oz.; sulphanic acid, pur., 6s. per lb.; chrysarobin, B.P. 18s. 6d., 28 lb. 18s.; ferri valerian, B.P.C. 14s. per lb.; potassium fluorid, B.P.C., 3s. per lb.; spiritus aetheris comp., B.P. 1898, 7s.; spiritus ammon. foetid, 5s. per lb.; tannic acid, technical, 1s. 9d. per lb.; bromoform, 5s.; caffeine soda benz., 9s. 6d.; caffeine soda salicylate, 9s. 6d.; digitalin, 3s. 6d. per gram; ferri albuminate, 4s. 9d. per lb.; ferri methyl arsenate, 3s. 4d. per oz.; ferri nucleinate, 2s. 3d. per oz.; podophyllin, ex p. peltatum, 29s. 6d. to 30s. 6d. per lb. as to quantity; methyl di-tannin (tannoform), 5s. 6d. per lb.; phenazone salicylate, 7s. per lb.; sodium methyl arsenate, 16s. per lb.

Industrial Chemicals, etc.

London, June 4.

The market continues generally steady, there being no change of importance to record again this week. A fair amount of export business is being done. Cornish arsenic has been neglected for some weeks. Cream of tartar is rather cheaper. British makers of soda products keep their prices for home trade at the old levels.

ACETIC ACID from dealers has been in no great demand. Spot prices are slightly easier in some quarters. 80 per cent. technical, £46; 80 per cent. pure, about £48 per ton, in barrels; 98 per cent. glacial, about £69 per ton, in glass demijohns, ex wharf, London.

ACETONE.—Inquiry has been small with dealers reducing their price to about £95 to £97 10s. per ton for B.G.S., in drums; market dull.

ALUM remains slack, with dealers quoting at about £10 to £10 10s. per ton for lump, in casks.

AMMONIA ALKALI is quoted at £6 15s. per ton, f.o.r. maker's works; special terms for contracts.

ARSENIC.—American reports as to the state of the market there are somewhat conflicting, a little improvement being mentioned by some, but the American demand for new importations is still very slack and the tone in this market is easy. Offers of Cornish are said to have been made at about £48 per ton, delivered London, but business is difficult, buyers chiefly looking on, while offers of Japanese are mentioned at £40 to £42, c.i.f. London.

BARIUM CHLORIDE is perhaps a shade easier; dealers are quoting 98 to 100 per cent. at about £14 5s. per ton.

BLEACHING POWDER has not found much demand as quoted at about £10 to £10 10s. per ton for 35 to 37 per cent. chlorine.

COPPER SULPHATE is in fair demand. Makers' terms remain on either side of £25 per ton, f.o.b., for casks. Some of the merchants who formerly used to do a good deal of the export

trade complain that the bulk of the orders is now going direct to makers.

CREAM OF TARTAR.—This market is now the source of keen competition. Prices quoted by dealers for quantities of one ton or more are from 84s. to 86s. per cwt., less $2\frac{1}{2}$ per cent., and it is understood British makers are competing with these figures for large business.

EPSOM SALTS of commercial quality continue in fair demand with the price in bags at about £5 to £5 5s. per ton.

FORMALDEHYDE shows no improvement in sales, with prices in the region of £57 10s. per ton for 40 per cent. volume.

GLAUBER'S SALT of commercial quality is steady, although dull, as quoted at £3 12s. 6d. to £4 per ton, in single bags.

LEAD ACETATE is very steady on spot with prices well maintained and stocks limited: brown, about £46 and white £43 per ton.

LITHOPONE continues to find business and prices show no sign of falling from their present level of about £22 10s. per ton for 30 per cent. Continental red seal.

NITRIC ACID (80° Tw.) is quoted at £21 10s. to £27 per ton maker's works, according to district and quality.

OXALIC ACID remains dull and the market is nervous. The quoted price is at about 4½d. per lb. for bulk quantities, but sales might be possible at a shade less.

POTASH CAUSTIC.—Some business in spot parcels has been done by dealers, who quote about £31 per ton for 88 to 92 per cent. solid, in drums.

POTASSIUM CARBONATE continues fairly active in a small way and prices are steadily maintained: 90 to 92 per cent., about £24; 96 to 98 per cent., £26 per ton.

POTASSIUM CHLORATE is unsteady on quotation, varying from about 3d. to 4d. per lb.

POTASSIUM PERMANGANATE of commercial quality has been selling well, with dealers quoting at about 7½d. per lb., in drums.

POTASSIUM PRUSSIAN remains dull with offers of British at about 8½d. per lb. for yellow.

SAL AMMONIAC.—The better business reported last week continues in evidence and prices are maintained for spot supplies: dog-tooth crystals, £44 10s. to £45; medium, about £40; fine white crystals, £27 to £28 per ton.

SODA, CAUSTIC (SOLID).—Makers quote spot lots delivered at £16 7s. 6d. to £19 7s. 6d. per ton, according to strength; 20s. less for contracts.

SODIUM ACETATE on spot is steady at about £25 per ton, with supplies limited; slightly cheaper to come forward.

SODIUM HYPOSULPHITE.—Dealers have been doing a fair business and their price for pea crystals is steady at £14 10s. and upwards per ton, in one-cwt. kegs; commercial quality, about £9 10s. per ton, in casks.

SODIUM NITRATE holds at last week's better prices, with some activity noted: 96 per cent., about £13 17s. 6d.; ditto, refined, about £14 per ton, f.o.r. London docks.

SODIUM NITRITE is down on the week, with the quotation for 100 per cent. at £27 10s. per ton, f.o.r. U.K. port.

SODIUM PRUSSIAN remains slow, and dealers' prices for British at about 4½d. per lb. are not attracting buyers.

SODIUM SULPHIDE remains quiet, with prices level on the week: 60 to 62 per cent., solid, £14 10s.; and broken, about £15 10s. per ton, in drums.

COAL-TAR PRODUCTS, ETC.—Weakness is reported in some directions in this market. Quoted prices, however, show but little change. Business has been quiet throughout: pitch is still neglected. **ANILINE OIL** from British makers continues to be quoted at 7½d. to 9d. per lb., naked, ex works, with little doing. **ANILINE SALT** is unchanged on the week on a dull market, with British makers asking from 7½d. to 8d. per lb., naked, ex works. **BETANAPHTHOL** is steady but quiet as mentioned at 1s. 1d. to 1s. 2d. per lb. **TOLUOL** is perhaps a shade firmer, with quotations for pure at about 1s. 9½d. to 1s. 10½d.; 90's, about 1s. 4½d. to 1s. 6d. per gallon. **XYLOL** is level on the week, with the market dull: pure, 3s. 3d.; commercial, 2s. 3d. per gallon. **CREOSOTE OIL** remains in poor request and prices are none too steady: 7½d. to 7¾d., ex works, and 8d. to 8½d. per gallon, f.o.b. **CARBOLIC ACID CRYSTALS** remain dull and the quoted price is still at 6½d. to 7d. per lb., f.o.b. for bulk quantities. Crude 60's is 1s. 9d. to 1s. 10d. per gallon; market flat; only odd lots being offered. **CRESYLIC ACID** keeps well up to its recent figures of 1s. 11½d. to 2s. 1½d. per gallon, with plenty of inquiry being dealt with. **NAPHTHALENE** is steady but dull, with dealers quoting close up to £17 per ton. **PYRIDINE** is a shade easier, with the price about 22s. 6d. per gallon, with not quite so much inquiry on the market. **HEXAMETHYLENE** remains dull, with little interest shown in offers of about 3s. 9d. per gallon. **Pure METHYL ALCOHOL** is inquired for now and again in small quantities. Dealers quote close up to £80 per ton, in drums, ex wharf, London. **PITCH.**—This market

remains practically idle. There have been one or two inquiries but no actual business. The price of 57s. 6d. per ton, f.o.b. East Coast, is nominal.

Fixed Oils, etc.

A NUMBER of items continue neglected in this market. Linseed oil and turpentine are cheaper on the week. Palm oils are fully maintained on a good market. Castor is much cheaper and very quiet. **ACID OILS.**—Prices show some alteration, with the market easier and closing steady: Coconut and palm kernel, 40s.; groundnut, 36s. 6d.; soya, 34s. 6d., all spot. CASTOR has been much quieter and values have weakened: pharmaceutical, about 68s.; first pressings, 60s.; second pressings, about 59s., all spot, in barrels, in not less than one-ton lots. COCONUT.—There has been no improvement, quotations are about the same: deodorised, on spot, 50s.; Ceylon, about 43s. c.i.f.; Cochin, about 50s. 6d. c.i.f. COTTON continues very quiet, but values are, so far, maintained: deodorised, 51s.; common edible, 49s.; soap-making, 45s.; crude, 40s., all spot. GROUNDNUT.—Matters remain very dull, with quotations level on the week: deodorised, 55s. spot; crude Oriental, 49s. c.i.f. LINSÉED (raw, naked).—This market has been much quieter during the last ten days or so and prices show a further fall for all positions. On spot, about 39s.; June, 37s. 6d.; July-August, 37s. 3d.; September-December, 36s. 3d. Hull, on spot, 37s.; June-August, 36s. 9d.; September-December, 35s. 3d. PALM KERNEL.—Very little interest in offers: deodorised, 47s. 6d.; crude, 42s. 6d., all spot. PALM.—The recent improvement recorded last week is fully maintained, and some grades show a further slight advance in value. At the close the market was steady and inquiry good: Lagos, 37s. 3d.; softs, 37s. 3d.; mediums, 38s.; hards, 38s. 6d.; bleached, 39s. 6d., all spot. RAPE.—Prices show no change on the week; market dull throughout. Refined, 51s. 6d.; crude, 48s. 6d., all spot. SOYA remains dull with quoted values unchanged: deodorised, 50s.; crude, 42s. 6d., all spot. TURPENTINE.—Thanks to fairly heavy landings last week and a more or less inactive market quoted values for all positions have fallen badly, while the demand was rather slack again, and the time is now getting near when new crop spirit is expected to be shipped. Last week's deliveries were very good, amounting to 2,018 barrels, but stocks increased again to 7,195 barrels, including 20 barrels of French. With the afloats totalling 450 barrels, the London visible supply was returned at 11,027 barrels, against 13,544 barrels a year ago. On spot, market closes at 69s.; June, 69s.; July-December, 67s. 6d. WOOD.—Hankov, in barrels, remains dull and is now quoted at the lower figure of 75s. on spot.

LUBRICATING, MINERAL, BURNING OILS, ETC.—There is little of importance to record this week. One or two products are rather weaker, but this slight alteration may be countered by the recent fall in value of sterling on the American exchange. BENZOL.—Prices quoted by British makers remain unchanged, with the market steady. Crude 65's, 10½d. to 1s.; standard motor, about 1s. 6d.; pure, 1s. 8½d. to 1s. 10d. per gallon, ex works, in tank wagons. Prices including free drums, f.o.b., about sixpence per gallon more. FUEL oil is steadily maintained, although not very active: 890 gravity, £5 7s. 6d.; 950 gravity, £4 7s. 6d. per ton, ex tank. PARAFFIN WAX AND SCALE.—A further slight weakening in this market is recorded, with business slow. Wax is offering on spot from close up to 3½d. to 5½d. per lb., according to melting point, in bags. Scale remains quiet and the c.i.f. U.K. port quotation shows a further drop to 26s. per cwt. SOLVENT NAPHTHAS.—There has not been so much activity and quoted prices are not so steady: 90 to 160, about 1s. 3½d. per gallon; heavy 90 to 190, about 1s. 2½d. per gallon. PARAFFIN OILS are firm throughout. American standard white, 1s. 1d.; water white, 1s. 2d. per gallon, barrels free: Russian prime white kerosene, 6½d. to 7d., ex tank; 7½d., buyers' barrels filled free; 10½d. per gallon, barrels free, ex wharf, London. PETROLEUM JELLIES.—Prices are unchanged, but the market is not so steady: White to snow white, £64 to £69; amber and yellow, £25 to £28; red vet, £22; dark stiff green is cheaper at £20 per ton, ex wharf, London. WHITE OILS.—The spot position is unchanged but the tone is not so steady. Special No. 1, £44; No. 1, £38; No. 3 half-white, £30; No. 4 half-white, about £20 per ton, in free drums and barrels, ex wharf, London. LUBRICATING OILS.—On the spot the position is much about the same as last week, with business rather slow and limited. The fall in sterling on the American exchange may have the effect of hardening shipment conditions: pales, £14 to £27; reds, £15 to £28; dark cylinders, £17 10s. to £37; filtered cylinders, £25 15s. to £43 per ton, less $2\frac{1}{2}$ per cent., ex wharf, London. SOLUBLE OIL steady at £29 per ton net. No. 1 RUSSIAN OIL is steady and active and likely to advance from to-day's quotation of about £19 15s. per ton, less $2\frac{1}{2}$ per cent., ex wharf, London.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

The Council Election

SIR,—Now that the Pharmaceutical Council election is over and the new Council have settled down to work, I should like to take this opportunity of thanking my many good friends who supported me at that election. It is true I have lost my seat, but I should like to assure the craft in general that, although I no longer represent them on the Council of the Society, I am as much interested in their welfare as ever, and prepared to do anything I can to further their business interests. The Pharmaceutical Council, as at present constituted, is a worthy, efficient and fully representative body, alive to the broad needs of the craft in general without at any time overlooking the special interests of the smaller retailer. Now that I have a little more time on my hands, I hope to avail myself of the many invitations that have been accorded to me during the last few years to visit more of the provincial associations, so that the members of the Society may know something of the work that is being done for them behind the scenes.—Yours faithfully,

HUGO WOLFF.

Ealing, W.5.

SIR,—A few thoughts on the Council election, and Mr. Marns's observation of the seeming apathy of pharmacists and their disregard of duties in the matter, make one suppose that he (Mr. Marns) is wasting time with technicalities which do not govern the policy of the Council in the smallest degree. As far as our pharmaceutical destiny was concerned, it made no difference if seven new members had been elected councillors. The principle of representation is morally wrong, and does not become the democratic spirit which has made Great Britain what she is. A comment that seems called for is upon the fact that 146 members, say 3 per cent., of those who voted failed to see to it that their papers were valid, a mistake which I hope does not characterise their general bench-work. There certainly seems to be no more apathy attached to the fact of nearly 2,000 votes being given to a person whose candidature had been withdrawn than to that which shows that nearly 60 per cent. of members did not take the trouble to return their voting papers. Have Mr. Marns and his colleagues on the Council ever wondered why this apathy exists, and why it will remain unless some revolutionary phase takes place in the Council chamber? Revolution! Horrid word, and for a homely old dear like Mother Pharmacy, buried in her hermit's home within a stone's throw of the resting-place of the Empire's relics, what a tragedy! But stay, calm your fears, brother (and sister) pharmacists, for I do not wish to throw her into the next-door neighbour's dungeon. I would simply have her discard her crinolines and mid-Victorian stunts, and don the garb of the times. When other governing societies are moving with the times, it behoves us to see that our Society takes a lead. Why should our Society plod along to the marching song of twenty-five years ago, when we find everything so changed now? While rogues and vagabonds poach on our preserves and commandeer our front doorstep, we are helpless against their incursions, and are expected to turn the other cheek and use our back entrances. The Council should substitute for its highbrow stunts—viz., academic lectures which the average member seldom understands and carpet flicking for the combine octopus, with its army of unqualified—some real legislative reform. We want protection for the qualification, a guarantee that we are not herded with the unqualified in the labour market. Why waste time with trying to obtain recognition for pharmacists in the Army, when there is not the tiniest wisp of protection for the

civilian dispenser who had the self-respect to qualify? There should be an aggressive policy to hound the combines and parasites out of existence, along with those aliens who add nothing to the adornment and dignity of the profession. The Society should live up to its claims—protection of the qualification, and that by the correct means, not only by raising the standard of the Preliminary, but in the insistence of differentiation of those who are and those who are not qualified. A plan of reform on these lines has been in operation for some time and has proved workable outside this country, and there is every reason to think that it would be a success here, too. In these democratic days there should be always a government by the majority; and who would say that this factor operates in our affairs? I know that impediments exist to prevent the average employee ever becoming a councillor, but these could be removed by legislation drafted by a progressive council. I am no Bolshevik, but the very antithesis—a bold, progressive individual with one serious fault—I am a qualified assistant. While twenty years ago the bulk, say 80 per cent., of those who took the Minor became master-men, we find to-day that natural circumstances prevent the bulk of those who are qualifying from becoming so situated. What is to happen to these? Are they who make up so long a list of chemists to have no voice in the destiny of their own careers? The Council seems to be ringing the wrong doorbell; its great idea is to collect subscriptions "to make the Council strong and able to fight." I submit that this policy is proved to be wrong. The only way and the obvious way is to create confidence by showing the rank and file something definitely achieved. I believe the prestige of the Council has advanced recently in the eyes of his Majesty's Civil departments, but the prestige of the rank and file continues on its landslide, and there is no one to stop the rot. There is a great chance to-day for the Council to immortalise itself in a great crusade for the good of the profession; but it must cast away the suspicion which is prevalent in the ranks by enunciating a policy which appeals to all, and not only to those favoured few who are master-men.—Yours, etc.,

VIGILANT (4/6).

Pharmacists in the Army

SIR,—I think the thing which strikes one most about the report on pharmacists in the Army (*C. & D.*, May 31, pp. 765 and 771) is the apparent indifference of the Army Council to the welfare of the individual. During the progress of the war elaborate organisations were evolved, under the care of experienced men, to deal with the recovery and reconditioning of clothing, equipment and material, and this policy paid for itself handsomely from an economic point of view. But when it came to the pharmaceutical service and its share in dealing with the repair of broken men, the qualifications of the *personnel* were a matter of third-rate importance. During the progress of the war also, photographers, both still and moving, artists, writers and others were granted temporary commissions in order to enable them to carry out their work with the prestige of an officer's rank; but now, years after the war is over, there is a belated proposal to appoint one qualified pharmacist with commissioned rank for the whole of the Army service. And yet the report admits the advantages to be gained by employing qualified and experienced pharmacists, on the grounds both of economy and efficiency. "Xrayser II" complains that he has not seen a report of the Pharmaceutical Society's annual dinner in his daily paper; this, of course, would be gratifying and possibly useful, but a matter of far greater interest both to ourselves and the public in general would be to see the report on the Army pharmaceutical service reprinted in the daily Press. We might get some expression of opinion from men who have served in the Army, and public opinion is a great mover of governments. In the meantime we have the consolation of the recommendation that a reserve of pharmacists be formed, with the grant of the rank of sergeant.—Yours, etc.,

PUBLICITY (31/5).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Appreciations

The *C. & D.* is a most helpful journal, and I would not be without it. Your lectures on "Pharmaceutical Botany" are a boon to students, and your coloured plates are wonderful.—*A. J.* (28/4).

I have told you so often in the past thirty-two years what I think of the *C. & D.* that it is difficult to find fresh words of praise and appreciation. I would certainly go without breakfast on Friday rather than miss my *C. & D.* I do not know if you have a similar case, but my wife is downstairs first and has devoured the *C. & D.* (mentally, of course) before I am down.—*W. A.* (15/5).

Invigilators

In reports of Pharmaceutical Society's branch meetings held recently I observe that appointments have been made of "invigilators" in connection with Leverhulme scholarships. The circumstances suggest that the described individuals are to be superintendents of examinations, or, in scholastic terms, "bulldogs." My dictionary leads me to suppose an invigilator to be an inattentive person, one who goes to sleep and evades responsibility. Is the "bulldog" under this new name to be an accommodating person who will "wink the other eye" as occasion requires? I await enlightenment.—*Peter* (19/5). [The verb "invigilate" is given in the Oxford English Dictionary in both the opposing senses suggested in our subscriber's note.—EDITOR.]

Legal Queries

A. A. (20/5).—The salts of quinine, other than quinine sulphate, are not excluded from the Safeguarding of Industries Act; the reply given here last week was to that extent incorrect.

Smoker (12/5).—The use of the label for "antiseptic pastilles" does not involve liability to medicine-stamp duty. The ingredients of the pastilles need not be stated on the label.

E. A. A. (20/5).—Arsenical fly-papers are poisons within the meaning of Part II of the poisons schedule, and can be sold by chemists under the conditions applying to Part II. These are stated in *The Chemist and Druggist Diary*, 1924.

M. T. (13/5).—The wording which it is proposed to place on the ointment ("antiseptic and healing" and "delightfully soothing") would render the preparation liable to medicine-stamp duty unless the article is a "known, admitted and approved" remedy.

R. J. F. (27/5).—The use of the titles "optician" or "chemist-optician" is not at present restricted by law to persons who have passed the examinations of the British Optical Association and Spectacle-makers' Company. At a suitable opportunity efforts to do so will probably be made.

M.P.S. (29/5).—It is illegal to carry on the business of a chemist unless a qualified chemist is in charge, whose certificate of qualification must be exhibited in the shop. It is doubtful whether you as a chemist could carry on a branch shop even if no poisons are sold, because the public who knew you might be expected to assume that your business was that of a chemist and druggist.

Laurencio (9/5).—The new Government met for the first time on February 12. All Bills introduced by the late Government were automatically withdrawn on the fall of the Ministers. The only Bill dealing with leases which has been introduced since the Labour Government came into power is the Leasehold Enfranchisement Bill, but as the measure is that of a private member it stands very little chance of consideration.

W. H. G. (27/5).—The Companies Act requires that the accounts of a limited company (private or public) shall be audited by a qualified accountant. The certificate is necessary in making the statutory return to the Registrar of Companies. The accountant's charge varies from ten to twenty guineas in the case of companies.

W. B. (1/5).—The question you ask regarding the use of a name for a germicide similar to that employed by another maker is difficult to answer. If the other maker's name has been registered as a trade-mark he would be able to stop the use of a mark similar to his. If not registered he would still have common law rights, to prove which priority of use would be the chief point, and the question of the similarity of packing would be gone into.

A. B. C. (6/5).—A chemist's business can be carried on when an unqualified assistant is left in charge, providing the Pharmacy Acts are not broken by sale or dispensing of poisons. We assume that the qualified person will be conducting the business as the *bona fide* proprietor; if this is not so the person so conducting the shop will come under the clause dealing with the exhibition of titles when *de facto* it is not under your sole proprietorship.

H. R. (27/5).—Orders for statutory poisons from chemists need not be in writing unless the articles are arsenic or any other preparation covered by the Arsenic Act. It is orders for Part I poisons from medical practitioners, etc., that require to be in writing. Before you can supply a drug that comes within the scope of the Dangerous Drugs Acts you must ascertain that the person is duly authorised to be in possession of the drug, and this applies to chemists, as unfortunately the authorisation of two or three chemists has been removed.

A. G. K. (28/5) asks whether there are still jury lists. If so, where can he see the list, and can he be called for jury service if his name is not on the list? [There are still jury lists, although the method by which they are compiled was altered by the Jury Act, 1922. The lists are now prepared annually by the Parliamentary registration officer for each district, to whom application for exemption must be made before August 10. The list may be consulted at the offices either of the local council or of the registration officer. If "A. G. K.'s" name is not on the list he is not liable to be called for service; but, if it is, he may be called unless he obtains exemption upon the ground that he is a practising pharmaceutical chemist.]

E. R. (24/5).—(1) A disinfectant fluid or powder containing more than 3 per cent. of carbolic acid or its homologues comes within Part II of the Poisons Schedule, and may be sold to chemists and public institutions in the way you indicate. (2) Sheep dip comes within the Agricultural and Horticultural Poisons Section and is subject to that method of labelling, and may be sold by chemists or licensed persons. (See *Diary*, 1923.) Before the article is sold the approval of the Ministry of Agriculture and Fisheries must be obtained. (3) Ammonia liquid containing over 5 per cent. by weight is a "poisonous" substance under Section 5 of the Poisons and Pharmacy Act. It should be so labelled and sold in a container distinguishable by touch.

W. H. (28/5), who has a licence for the sale of wines at his principal shop, proposes to open a branch shop which shall be unlicensed, and wishes to issue a circular announcing his new venture containing the following:—"Orders for wines may be left at the X (new) Pharmacy, to be supplied from the main shop, Y Road, where a full stock of ports, champagnes and sherries is kept." He asks if he may do this. It is not intended to sell any wines or to keep any stock of wines at the branch shop. [Such an advertisement ought not to be sent out, as it sets forth that orders for wine will be taken at the unlicensed shop, and this would be contrary to law. It is immaterial for the purpose of the question that no wines are actually stored at the branch shop.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. B. J. (4/5).—CLEANING GOLD BRAID.—The methods employed for cleaning tarnished gold braid are (1) brushing with jewellers' rouge moistened with spirit; (2) sponging with a weak solution of potassium cyanide (10 to 20 grains per ounce) and then sponging with clean water; (3) sponging with solution of ammonia followed with soap and water applied by means of a brush. The final drying in cases where liquids are employed is by means of fine sawdust.

W. A. (5/5).—COMMERCIAL LIQUORICE is a solid aqueous extract of the liquorice root. It is prepared on a very large scale, but the process is based upon that employed in making the ext. glycyrrh. B.P.

A. J. B. (6/5).—The gout and rheumatic liniment to which you refer can be thickened and whitened by adding some coconut-oil soap (*C. & D.*, January 7, 1922, p. 12), or reducing the quantity of turpentine.

H. L. M. (7/5).—(1) SOIL DISINFECTANTS of the fumigant variety generally have naphthalin as a base. We do not think the use of permanganates would be of advantage. (2) **SHAVING PASTE.**—The variety to which you refer is made as follows:—

Pulv. tragacanth.	...	...	...	5ss.
Spt. rectificat.	...	...	...	3iv.

Put together into a dry corbyn quart and shake, then add the following in their order:—

Crem. amygdal.	...	...	...	3j.
Ol. amygdal.	...	...	...	3ij.
Glycerin	...	...	...	3v.
Aque	...	...	...	3xlv.

Mix. well and perfume with

Ol. ros. geranii	...	...	...	3j.
Ol. bergamottæ	...	...	...	3ij.
Ol. neroli	...	...	...	5ss.
Ol. citronellæ	...	...	...	mxx.
Spt. rectificat.	...	...	...	3j.

W. R. (9/5).—VICTOR BONNEX'S ANTISEPTIC refers, we think, to brilliant green, an aniline dye, the properties of which Dr. Victor Bonney and Dr. C. H. Browning discovered and used during the war. It is obtainable through wholesale druggists or dealers in aniline dyes.

R. H. K. (9/5).—FACTORY EYE-DROPS No. 2.—The formula for this is sodium bicarbonate 15 gr., water 1 oz.

Aspirin (10/5).—"PHAROAH'S SERPENTS" is the name given to the product of the combustion of pellets of mercury sulphocyanide. The last-named chemical is made of pillular consistence with mucilage of tragacanth, divided into pellets and dried. The pellets and the vapour given off on burning are poisonous.

H. B. (10/5).—We regret that we cannot undertake the search for the formulas.

S. W. V. (12/5).—RIDDING BAKEHOUSE OF ANTS.—The best method is probably the use of sponge traps. These are made by wetting pieces of sponge with a sweetened solution of arsenic and placing the sponges in the runs of the ants. The sponges are washed out and re-charged when they become full of ants.

Westminster (12/5).—It is not convenient to administer dried ox gall and hexamine together, as the former is best taken in cachets and the latter well diluted with water.

J. M. M. (12/5).—APOTHECARIES' ASSISTANTS.—We publish occasionally experiences of the Assistants' Examination of the Society of Apothecaries, the last time being in the *C. & D.*, August 21, 1920, p. 1,168. Pennethorne's "Guide to Assistants' Examination" (Baillière, Tindall & Cox, 6s.) is a recent book on the subject.

H. C. R. (12/5).—ENDOCRINE GLANDS.—An authoritative book on this subject is Falta's "Endocrine Diseases, including Diagnosis and Treatment" (Churchill, 36s.).

W. R. (13/5).—The book "Opening a Pharmacy" is out of print, and as it is a pre-war publication it would not be a trustworthy guide to prices under present conditions. Recent articles in the *C. & D.* have, however, revised the prices and may be taken as a guide.

E. W. K. (16/5).—MANUFACTURE OF OILS.—The chief book on this subject is Lewkowitsch and Warburton's "Chemical Technology and Analysis of Oils, Fats and Waxes" (Macmillan, 3 vols. 114s.).

R. C. H. (16/5).—WALNUT OIL.—The following is from "Pharmaceutical Formulas":—

Fresh walnut-shells...	...	...	...	3ij.
Benzoeated oil	...	...	...	3v.

Crush the walnut shells (gathered preferably at the end of August or beginning of September) and rub to a smooth paste. Digest this in the oil on a water-bath until all the moisture is dissipated, filter, and add

Oil of rose	...	...	...	miv.
Oil of neroli	...	...	...	mviij.

This oil is a true dye, imparting a fine brown shade to grey hair when used day by day.

Gentian (17/5).—USE OF METHYLATED SPIRITS IN DISPENSING.—The Board of Customs and Excise permit chemists to use mineralised methylated spirits in the preparation of lotions for external use prescribed by duly qualified medical practitioners. (2) Iso-propyl alcohol is very similar to ethyl alcohol in properties. For the manufacture of perfumes the two alcohols are mixed in about equal proportions.

M. T. & Co. (17/5).—(1) COLLOIDAL PREPARATIONS.—The best account of the medicinal colloidal preparations is that given in Martindale's "Extra Pharmacopœia," Vol. I. (2) We are unable to supply the details you ask for regarding colloidal calcium. (3) An announcement as to the supply of the Nature Pictures of Medicinal Plants is made in the *C. & D.*, May 31. Single plates are supplied at the price of the number (9d.) with which they were issued.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," June 15, 1874

Adulteration Acts Committee

The evidence of three chemists was heard before the Committee appointed to consider the working of the Adulteration Acts; among them was Mr. Michael Carteighe, of the firm of Dinneford & Co., who gave evidence to the effect that certain chemicals and pharmaceutical preparations would seriously and almost imperceptibly deteriorate by age. He instanced especially prussic acid and chlorinated lime, which from their volatile properties must necessarily deteriorate from day to day. Essence of lemon, too, might, under certain circumstances, be partially converted into oil of turpentine. Other essential oils in like manner might become oxidised almost without the knowledge of the average dealer. He thought, therefore, a druggist ought not to be subject to a hard-and-fast line such as the Act laid down. The Act appeared to assume there was such a thing as absolute purity. He should maintain the converse. Absolutely pure water, for example, practically was not to be obtained; it could not be retained in such a state for any length of time. Then, again, there were many conventional names which did not exactly represent the substances they covered. Effervescent citrate of magnesia, Seidlitz powders, Carlsbad and Vichy salts, etc., were titles which fairly distinguished the articles they were intended to define, but which were not perfectly accurate. Druggists were, to a certain extent, the interpreters between scientific and conventional language. For example, if a customer should ask him for an ounce of quinine he would not get quinine. To speak exactly, he would get the di-sulphate of quinine; that is to say, he would get quinine *plus* something else. By supplying that he considered he was giving the customer exactly what was required and committing no fraud. Mr. Carteighe went on to speak of scammony as an example of a drug of which the "Pharmacopœia" had fixed the standard too high. The "Pharmacopœia" states that it should contain from 80 to 90 per cent. of pure scammony, and therefore he presumed a sample containing 79 per cent. would be condemned by the Act. But he (Mr. Carteighe) would consider such scammony a very fair specimen.

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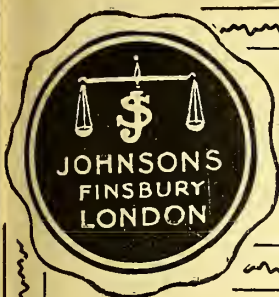
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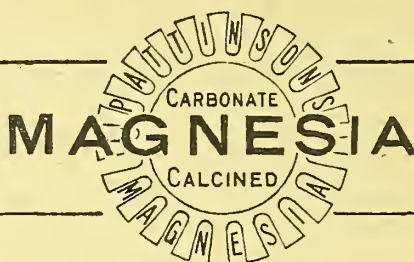
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WILL BE SOLD AT THE FOLLOWING PRICES:—

PHIALS:— { 5 cc. (100 Units or 10 doses) 4/8 each.
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Ample supplies of Boots own manufacture are available. Every batch is tested and standardised in their own Pharmacological and Bacteriological Laboratories, and before issue is passed by the Medical Research Council for potency and sterility.

Research work on Insulin is still in progress, and as further improvements in method are discovered, the benefit will at once be passed on to the public.

BOOTS PURE DRUG CO. LTD.,
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"A WARNING TO ALL CHEMISTS"

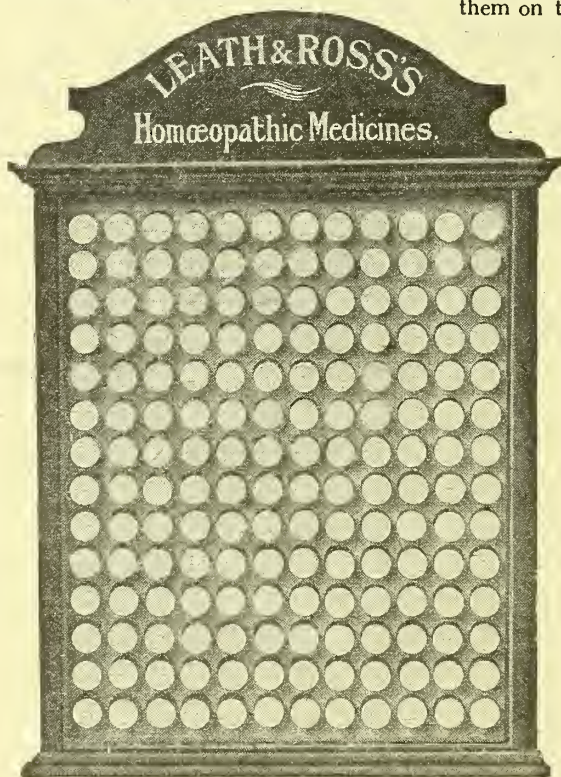
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WAKE UP NOW

H.R.H. The Prince of Wales has appointed a homœopathic physician to be his regular Medical Attendant.

The Editor of the Lancet has written "Proving the pudding by the eating, it would be difficult to say in the present state of Allopathic Pharmacology that the doctrine of Cure by Similars (Homœopathy) is wrong." *In other words, it is right.*

The Science of Homœopathy is progressing rapidly and, concurrently with it, the demand for our well-known **Homœopathic Medicines**. In order that every chemist should get his proper share of the sales of them, he should have one of our handsome UPRIGHT SHOW CASES well displayed in his pharmacy. They are very potential sales promoters, and we supply them on the following most advantageous terms, viz.:



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2 gross 1/- as- sorted Pilules and Tinctures, @ 4/6 per doz.	5	8	0
Half cost of Showcase (costing £3) ...	1	10	0
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10% monthly a/c	13	10	
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Mr. HAROLD HAW, M.P.S., 5 Albert Terrace, Blackpool, writes: "SIRS—Showcase to hand safely; very satisfactory; has already been admired by several chemist friends."

September 13, 1921.

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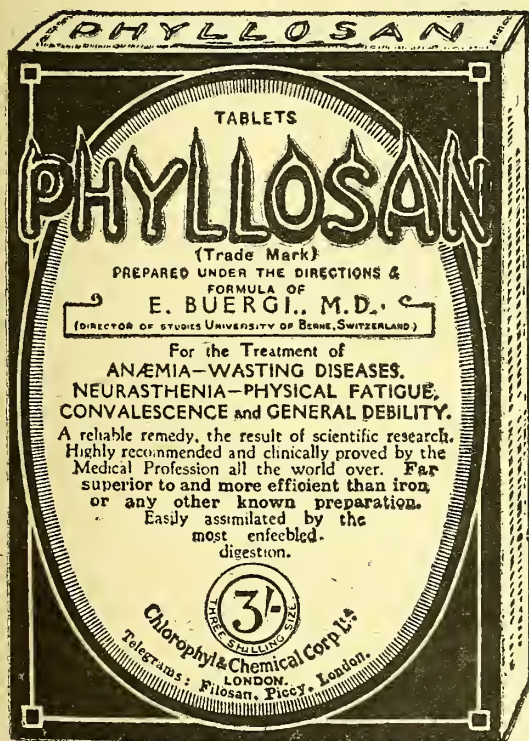
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MANUFACTURED BY QUALIFIED CHEMISTS
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CAN BE RECOMMENDED WITH CONFIDENCE
:: AND CARRIES A GOOD PROFIT. ::

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FOR some time past the "Wampole"
Brand Specialities have been regu-
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Medical Profession of Great Britain
with the result that the demand has
increased greatly and is steadily growing.
All chemists should have these well-known pre-
parations on hand in order to be able to fill
promptly physicians' prescriptions.

*The leading wholesale druggists of England are carrying
a full stock of our preparations, and can therefore fill
orders promptly from retail chemists at the following prices :*

	Per Dozen	Suggested Price to Consumer
Cod Liver Preparation, 16 oz. stamped	76/-	8/-
Cod Liver Preparation, 8 oz. stamped	42/6	4/6
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We are spending thousands to create the demand.

Be in a position to supply when your customer asks for one of these specialities.

Conquer your Catarrh POTTER'S CATARRH PASTILLES



CURES COUGHS, COLDS, HAY-FEVER
CATARRH, BRONCHITIS.

1/3 per box of all Medicine Vendors
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Scraps from a Nurses
Note-Book No 1.

Another Skin Case



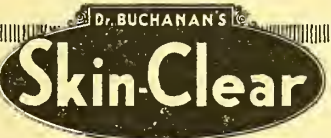
"Extraordinary how careless people are about the skin. It's so easy for dangerous things to develop. Mrs. X to-day complaining about sores on her arm. Nasty place and very bad gathering. She thinks it started from a burn from the oven. If she'd attended to it at once, it would have been right in a day or two. However, as usual Dr. Buchanan's Skin-Clear came to the rescue. Mrs. X said it soothed the pain at once. She'll be well in a week if she uses the Skin-Clear regularly."

SKIN-CLEAR is a positive cure for Chilibiains, Eczema, Pimples, Sore Places, and all Skin Diseases. It soothes, heals and cleanses. It is a wonderful stand-by for Cuts, Burns, Bruises and Rashes. Ideal for Barber's Itch.

Dr. Buchanan's SKIN-CLEAR is obtainable from all medicine vendors at 1/3; or in case of difficulty write to:—

Potter & Clarke, Ltd., London and Manchester.

*Clears the
Skin*



*Soothes, Heals
Purifies*

ATTRACTIVE
SHOW
MATTER
FOR WINDOW
OR COUNTER
WITH
ALL ORDERS

Obtain supplies from your **USUAL WHOLESALE HOUSE** or direct from
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NIGROIDS for the Throat and Voice

Registered Trade Mark.

Sold in tins 4½d. and 1/6 each.

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Quick Seller. Big Profits. Over 40 years' Reputation.
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Reduced Price List can be had on application.

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Recently the subject of comments in the Press.

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ERGOAPIOL (Smith) PROTECTIVE MARK

Patented in U.S. and Foreign Countries.

Ergoapiol (Smith) is now identified by the letters M.H.S. in the gelatin on the inside of each capsule. These letters are not visible from the outside, but they are plainly discernible in the gelatin when the capsule is cut in half.

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(Morson)

A Pure, Sterile, Colloidal Kaolin

Prepared under Letters Patent by electro-osmosis
for use in Medicine and Surgery.

"Osmo" Kaolin is now sent out in a new form of packing at a fixed retail price (P.A.T.A.) and will be widely advertised to the Medical Profession.

Packed only in boxes retailing at 2/9 each

Subject to the usual Speciality Discount to the Trade.

Full particulars will be sent free on application to

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BEECHAM'S PILLS:

1s. 3d. size	...	10s. 6d. per doz. net.
3s. 0d. "	...	26s. 6d. "
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(contains double the quantity of 3s. box)		

Minimum quantity £5 value.

Packages Free.

Carriage Paid.

Cash with Order.

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Digestive Ferments and Fine Chemicals.—Pepsin, Pancreatin, Diastase, Rennin, Beef Peptone, Bact. Peptone, Haemoglobin, Amylopsin, Suprarenal Glands Powd., Thyroid Glands, Caffeine Alkaloid, Sodium Succinate, Acid Succinic, Iron Peptonate, Oxgall, Chlorophyll.

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Proprietary Specialities. Packed Goods.
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FREDERICK STEARNS & COMPANY, Manufacturing Chemists, Detroit, U.S.A.

Branch Laboratories: Windsor, Ont., Canada, and Sydney, Australia. Branch Offices: New York, San Francisco, Calcutta, Cape Town.

P.A.T.A. NOTICE.

18, Tavistock Square, London, W.C.1,
June 7th, 1924.

The following additions and alterations have been approved by the Council:—

A. Bourjois et Cie, Ltd.	M.R.P.	M.W.P.
No. 448 Ashes of Roses Liquid Brilliantine	2/6	20/-
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(in exquisite glass container)		
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Gross lots		8/-
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No. 123 Elektra Pocket Lip Stick (light or dark)	1/-	8/-
No. 44 Novita Lip Stick (light, dark, or blanc)	1/6	12/-
No. 120 Raisin Rubis Lip Stick	1/-	6/-
No. 43 Novita Eyebrow Pencil	1/6	12/-
No. 153 Bourjois " "	1/-	6/-

Greenwich Lemonade Co.

G.O. Lemon Flavoured Seidlitz Powders.	
3d.	3d. each
	2/6 doz. 2/- doz.
(Packed in 1 dozen show-boxes and 6 dozen show boxes.)	
6 doz. and upwards	21/- gross
The box of 1 dozen retailing at 2/6 has been discontinued.	
2d.	2d. each } 1/3 doz.
	1/9 doz. } 14/- gross

M'Caw, Stevenson & Orr, Ltd.

10½d. Du Barri's Furniture Polish	10½d.	7/- doz.
1 gross lots		78/- gross net

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Medicinal

LIQUID PARAFFIN

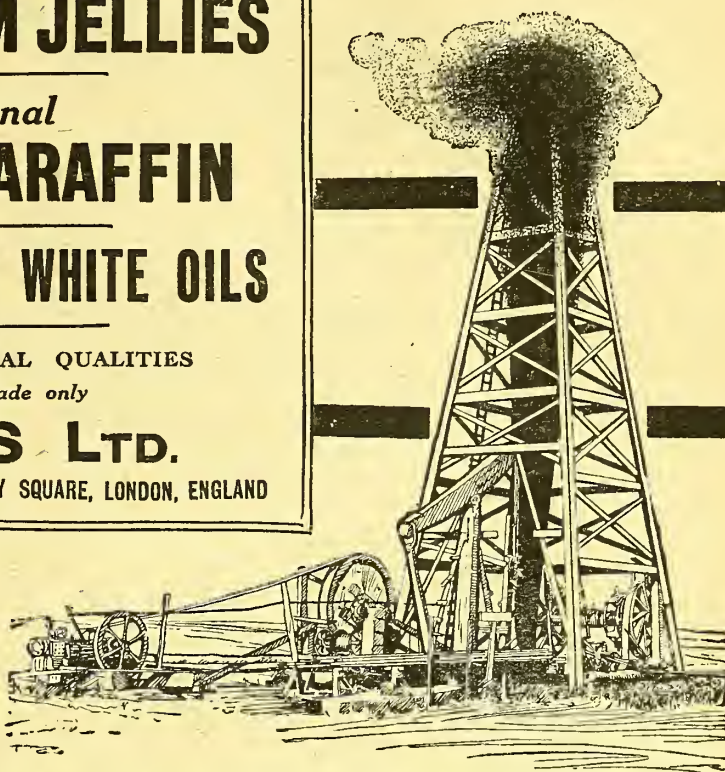
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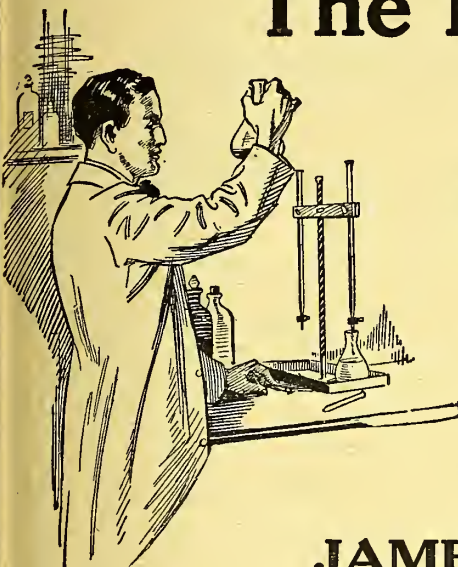
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TUNBRIDGE & WRIGHT, READING
Telegraphic Address — "Flies, Reading."**The "ROLO" Fly Catcher**
The 'Best Seller' of the Summer Season

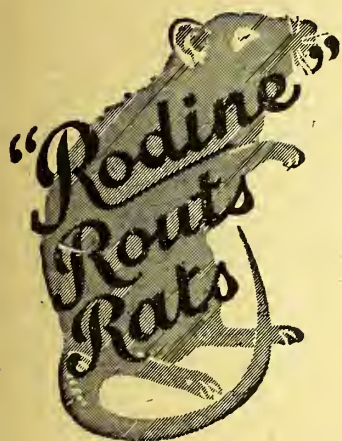
Neat and attractive in appearance, clean to handle and easy to open, the "ROLO" is at once both useful and ornamental. Evenly spread on both sides with our special non-drying gum, it is in short, the Ideal Cemetery for Flies!

Made in two sizes - - - 1d. and 1½d.

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The cure for this troublesome
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VERMIN KILLER***kills*
**Rats, Mice and other
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testified to by users
in all parts of
the country.Of all Patent Medicine
Houses at 3/-, 5/- & 9/-
per dozen.In packets at 5d.,
9d. and 1/3 each.
(P.A.T.A.)**Are your stocks adequate?***Prepared only by* **BATTLE, SON & MALTBY**
Manufacturing Chemists, LINCOLN.



THE THREE R's

The Proprietor of a Dublin Pharmacy on 25th April, 1924, sends this suggested advertisement, which was prompted by the receipt of our "Rodine" circular:—

"The Spread of Education!"

Everybody knows the three R's—

**'RODINE'
ROUTS
RATS**

Hence the Spread of 'Rodine' to prevent the Spread of Rats."

In spreading "Rodine" the Chemist makes nearly 100% profit on every tin sold, and that "Rodine" meets the need in clearing Rat and Mice infested premises is abundantly proved from many testimonials received. This is the time to push "Rodine" as the remedy for the Mice problem.

We are prepared to send you a special Circular for Mice on request.

Send your order to-day to the Sole Maker—

HARLEY, Manufacturing Chemist, PERTH, SCOTLAND

DOOMO AIRSHIP FLY BAND



Write for quotations
A wide, long band,
sticky on both sides.

SMITH & CO., Doomo Works, NEWARK

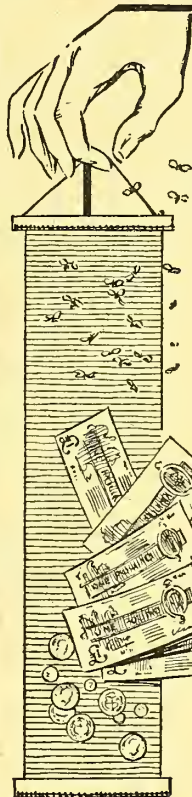
SHERLEY'S DOG MEDICINES INSECT POWDER SHAMPOO, and LACTOL (P.A.T.A.)



These preparations command a ready sale, and are by far the largest advertised of any on the market. They are protected at prices that leave an excellent margin of profit for the retailer, and the terms on which they are supplied preclude any possibility of loss. We have an excellent range of literature and show cards, and do all in our power to assist chemists by referring mail customers to them.

Write for Price List and Terms.

A. F. SHERLEY & CO., LTD.
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The fly trap
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THE Wasp Flyband is the quickest selling and most efficient fly trap sold. It keeps its condition for an indefinite period and thoroughly satisfies all purchasers because it is clean to handle and perfectly hygienic. It ensures a rapid turnover and secures for you liberal protected profits.

**The WASP
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Prices and particulars from Sole
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451 pp.

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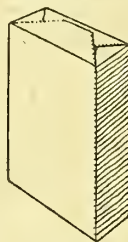
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42 CANNON ST.
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JUNE 7, 1924

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10.—NORTH-WEST COAST.—Good-class Business, with Kodak Agency; returns, £2,500 per annum, increasing; net profit, £650; double-fronted shop; good working stock; modern house; bath room; private entrance; vendor's own freehold, which may be purchased, or lease would be granted; offers invited.

11.—NORTHERN COUNTY.—Store Business, with Wine Licence, and excellent sale for one proprietary; returns, about £7,000 per annum, at usual prices; corner position; large commodious premises, held on lease; terms, valuation of stock and fixtures, and sum for good will, to be arranged, or lump sum offer entertained.

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14.—SOUTH COAST (Well-known Health Resort).—Good-class Retail and Dispensing Business; established many years; returns, last year, about £3,250, at full prices; double-fronted shop in excellent position, well fitted and heavily stocked; premises held on lease at moderate rental; further details on application.

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2.—**POPULOUS SUBURB.**—Retail Dispensing Business; returns average £30 p.w.; convenient lock-up premises, held on lease 14 years, at rental of £110; good scope for business under personal supervision. (114)

3.—**RIPON, YORKS.**—Established 1720; in present hands 18 years; Family Retail and Dispensing Business; returns, £1,500; could be considerably increased; premises consist of 2 shops, one let off on lease £60 p.a.; warehouse and good dwelling accommodation, with vacant possession. Purchaser can acquire property, and £1,000 can remain on mortgage at 5 per cent. Fullset information supplied, and reasonable offer accepted for quick sale. (99)

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5.—**YORKS.**—Small Family Dispensing and Photographic Business; recently established; returns average £14 p.w.; premises, which are held on weekly tenancy, consist of lock-up shop, with cellar. (113)

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7.—**LIVERPOOL.**—Old-established Family Retail and Dispensing Business; returns, £36 p.w., excluding N.H.I.; premises consist of lock-up shop and basement; held on lease for 10 years, at £65 p.a., inclusive; reason for disposal, proprietor entering Medical Profession. (105)

8.—**CUMBERLAND.**—Well-stocked Pharmacy, unopposed; returns, £30 per week, with undoubted scope for increase; Kodak, N.H.I.; large double windows and Dispensary; price £550 all at. (103)

9.—**BOURNEMOUTH.**—Old-established Retail Dispensing Business. In present hands 30 years; returns, £1,669; premises consist of well-fitted shop in mahogany, stock room and dwelling accommodation, consisting of 5 rooms on 1st floor, 3 on 2nd floor, 2 cellars, long garden, and entrance for goods; lease, first 7 years £200, second 7 years £225; price £750; stock and fixtures at valuation. (93)

10.—**LONDON, N.W.1.**—Old-established Cash Business, with N.H.I., in working-class district; returns, £30 p.w.; rent £84, let off £49; well fitted; £700 or offer. (116)

11.—**SOUTH COAST TOWN.**—Essence and Chemical Business for disposal; average turnover during last three years, £5,500; proprietors of several well-known lines; convenient premises held on agreement at a rental of £120 p.a.; great scope for development. (111)

12.—**MONMOUTH.**—Old-established Business in market town; returns, £35 p.w.; rent, £50; rates, £34; 7 years' lease run, renewable; well stocked and fitted; Kodak and Optics; N.H.I.; price £1,250. (118)

13.—**SURREY.**—Within 25 miles of London, unopposed Lock-up Shop; returns £18 per week; rent 15s. per week; 19 years' lease; well stocked; £500 all at for quick sale. (124)

14.—**PROPRIETARY ARTICLE.**—Well-known, useful line, suitable for mail order business. Proprietors would accept reasonable sum for quick sale. Fullset particulars on application. (115)

15.—**POPULAR SEASIDE RESORT.**—Well-stocked Cash Drug Stores, recently established; returns, £12 per week; good scope for development; rent £42 p.a.; 7 years' lease; good living accommodation; price £900, inclusive, or offer. (121)

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4.—**NORTH LONDON.**—Good-class Light Suburban Retail, with Kodak Agency; returns, £1,700 to £1,800; good profits; house sub-let at profit rental; scope for increase; price £1,550, or offer.

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BRISTOL.—Drug Store, with comfortable residence attached; main road; vacant possession; turnover £75 monthly; good scope for increase under qualified man; opposition negligible; price £700, or nearest offer. 235/23, Office of this Paper.

COVENTRY.—For Sale, a Retail Business (lock-up shop) in centre of city; best corner position; doing over £20 week in presents, leather goods, etc.; note, one window to spare for Chemistry; £700 cash, includes stock, fixtures, goodwill, or terms arranged. 46/492, Office of this Paper.

HANTS COAST.—Old-established Drug Store; good house, yard and garage, with sub-lets; scope for improvement with N.H.I. and Photographic; average £20 per week; stock about £500; accept £750 all at; no agents. "Alpha," 223/38, Office of this Paper.

LONDON, 12 miles from London Bridge.—Best offers for Cash Retail; returns £1,200; net profit £330; old established; in present hands 14 years; rent £45; lease, 12 years to run; corner shop; mahogany fitted; 7-roomed house, garden, and private entrance; owner buying larger business; cash buyers only. 235/20, Office of this Paper.

LONDON, S.E. (busy main road).—Sound Retail Business; £100 per week can soon be reached by a live man; value of stock and fixtures £1,000; long lease; recommended by Wholesale house; no agents; for quick sale, price £1,250. Principals write Messrs. Slater & Slater, 15 New Broad Street, London, E.C.

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N.E. COAST.—Excellent opportunity for energetic, qualified man; Drug Store in busy main thoroughfare, industrial coast town; opened 15 months ago; well stocked; offers good prospect for N.H.I. Photography and Prescribing; first year's turnover £1,313; living rooms above; 12 years' lease; satisfactory reason for disposal; to immediate cash buyer £850. Write 235/5, Office of this Paper.

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A REALLY good Business for Sale in North of England; turnover well over £2,000 per annum; good sale own Proprietaries; beautifully fitted shop; main road, in good-class suburb; small house; seller is owner of property, and will rent or sell property outright; price for business £1,500; ill-health cause of sale. "Pills," 237/8, Office of this Paper.

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A WELL-KNOWN and old-established Proprietary line, having been marketed for the past 20 years, with extensive connection, patent rights, etc.; capital required, £400 to £600; stock would be offered at valuation, with plant, connection and patent rights at an agreed sum. Write "Flies," 45/466, Office of this Paper.

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DRUG Stores for Sale; main road; beautifully fitted; double-fronted shop; electric light; good living accommodation; stock and fixtures at valuation; no goodwill. W. Goode, 65 Rochdale Road, Bury.

GOOD unopposed Mixed County Business in Norfolk; Kodak Agency; healthy district; nicely-fitted shop; no N.H.I., but could be had; returns average £1,000; could be greatly increased; full prices, good profits; large house; price of business £450; rent £45; price of property, which can be bought, £550. 235/17, Office of this Paper.

OLD-ESTABLISHED Business in working-class district; average turnover £17 weekly; corner shop, two windows; rental £47; house sub-let 12s. weekly; Insurance Prescriptions over 200 monthly; price £575. Apply 46/478, Office of this Paper.

PHARMACY, situated in city proper, for Sale; average profit clear after all expenses paid £575 per annum; will sell at valuation, plus amount to be arranged for goodwill; genuine bargain; proprietor removing out of town. "Manchester," 46/481, Office of this Paper.

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£250, or near offer, for quick sale, through sudden illness. Cash Retail and Prescribing Business in very busy thoroughfare; capable of great increase; good working stock; well-fitted window; electric light and gas on; rent £45; lease; house, 5 rooms and scullery. Apply L.20, Tacket Street, Ipswich.

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TENDERS.**SEVERALLS MENTAL HOSPITAL, COLCHESTER.**

THE Committee of Visitors invite Tenders for the supply of Drugs for the three months ending 30th September, 1924.

For form of tender apply, enclosing stamped, addressed envelope, to "Mr. R. Overend, Clerk of the Hospital, Severalls Mental Hospital, Colchester."

Sealed Tenders must be received not later than Saturday, 14th June, 1924, addressed to the Committee of Visitors, Severalls Mental Hospital, Colchester.

The Committee of Visitors do not bind themselves to accept the lowest or any tender.

By Order,

H. H. GEPP,

Clerk to the Visitors.

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6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

LONDON OR NEAR.—Business wanted by Pharmacist prepared to pay cash for sound concern; bankers' references if required; can take over immediately; please give in confidence fullest particulars possible; all information treated confidentially; living accommodation not necessary. "S. R. G.," 235/36, Office of this Paper.

ADVERTISER open to negotiate for sound Retail and Dispensing Business in London suburb showing £2,000 turnover with scope. Offers and details, in confidence, to "Mr. B.," (P.C.B. 72/26), Office of this Paper.

CHEMIST, with Branch Pharmacies, is willing to purchase sound Business, with freehold premises, London suburbs, Surrey or Kent; main road position; strictest confidence. 235/6, Office of this Paper.

GOOD-CLASS Business in provincial or country market town; returns £2,500-£5,000 or more; Midlands or Southern Counties preferred; would lease or purchase freehold premises; cash transaction; bankers' references furnished; all particulars in strict confidence. Apply 237/21, Office of this Paper.

WANTED, Dispensing and Retail Business; returns £1,000 to £1,500; living accommodation preferred; £200 down and balance by arrangement; management with view to succession considered. 237/29, Office of this Paper.

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LONDON AND HOME COUNTIES.—Agent for an important French firm, with large connection amongst Chemists, etc., is desirous of adding a Sole Agency for Proprietaries, Sundries or Packed Goods; if necessary, stock could be carried and distributed; ground worked by car. 46/494, Office of this Paper.

AGENCIES wanted (Sole), Wholesale and Distributing, for the Northern Ireland and Irish Free State; advertisers have centrally situated showrooms where goods may be inspected and chemists interviewed; correspondence invited from Manufacturers and others. Apply Hoesason's Sales Agency, Crown Buildings, 7 Ann Street, Belfast, Northern Ireland.

PARTNERSHIPS.

AN opening will shortly occur for a Director (to occupy for a time a junior position) in an important business in the South of England; one whose previous experience has included manufacturing and high-class retail would find this an excellent opening, as there is opportunity for advancement; Major qualification essential; no photograph or original testimonials to be enclosed; all communications will be treated confidentially, and must state previous experience and age. "Hercules," 235/35, Office of this Paper.

FOR SALE.

CHEMIST'S Fitting, consisting of 12 large drawers with three-door glass cupboard above; also Shop Rounds and small stock Drugs. Seen by appointment. "Chemist," 109 Douglas Street, Glasgow.

OPTICAL Trial Case, morocco and plate-glass covered, containing 64 pairs spherical, 40 pairs cylindrical lenses, 10 discs, 10 prisms, lens holders, trial frame, etc., lenses mounted nickel; perfect condition; price £14 10s. Morgan, Ystrad Vicarage, Felinfach, Cardiganshire.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

SITUATIONS OPEN.

[HOME.]

RETAIL.

ASHTON-U-LYNE.—Wanted, an Unqualified Assistant for quick Cash Business; not afraid of work; good Window-dresser; one who will put his back in the business. Apply, stating age, height, experience and salary required, and enclose photo (to be returned), to J. & J. Thompson & Co. (A-u-L), Ltd., 291 Stamford Street, Ashton-u-Lyne.

BARNES.—Junior Assistant wanted for good-class Dispensing and Retail; some knowledge of Photography essential. Apply, stating age, height, experience, and salary required, to Feltwell & Son, 90 Church Road, Barnes, London, S.W.13.

BIRMINGHAM MUNICIPAL TECHNICAL SCHOOL.

Applications are invited for the post of Second Lecturer and Demonstrator in Pharmacy. The position is a whole-time appointment, commencing 1st September next. Preference will be given to candidates possessing the Major qualification and some teaching experience. Salary in accordance with the Birmingham Provincial Technical Scale. Full particulars and Form of Application (to be returned by June 28th) may be obtained from the Principal, Municipal Technical School, Suffolk Street, Birmingham.

P. D. INNES, Chief Education Officer.

BOURNEMOUTH.—Junior Assistant required immediately; qualified preferred; Photographic knowledge essential. A. F. Lawrence, 40 Commercial Road, Bournemouth.

BRIGHTON.—Smart qualified Manager required for modern Store Business; must be a first-class Window-dresser and Salesman, of smart appearance and address, and a live, energetic worker; knowledge of Optical work an advantage; please give full particulars in first letter of age, height, experience, salary required, and when disengaged; progressive permanent position to the right man. "E. T. H.," 4 Wilbury Avenue, Hove.

BRIGHTON.—Junior Assistant required for the season; knowledge of Photography and Window-dressing preferred. Full particulars, including salary required, to Franklin & Co. (Brighton), Ltd., 86 King's Road.

BRISTOL.—Qualified Assistant required for branch, medium Cash Retail with N.H.I.; good prospects for Salesman and Window-dresser. Please state age, experience, and salary to C. A. Stokes, Chemist, 34 Lower Castle Street, Bristol.

CORNWALL (seaside).—Competent Assistant required immediately for about four months; good-class Counter, with Photography, Light Dispensing. State salary required and usual particulars to 237/19, Office of this Paper.

EASTBOURNE.—Wanted at once, Assistant, about 23 or 24, qualified or unqualified, for Dispensing and quick Counter trade; must have had good Dispensing experience. Apply, with full particulars, salary (outdoors), etc., Procter, 5 Station Parade, Eastbourne.

EAST Coast Seaside Resort.—Junior required at once for season for good-class business; one with knowledge of D. and P. work. State age, height, salary (indoors or outdoors), experience, and names of two last employers. 237/14, Office of this Paper.

EXETER.—Wanted at once, competent Assistant, with knowledge of Photography. State full particulars and salary asked; permanency. Hinton Lake, 41 High Street, Exeter.

HAMPSHIRE, near Bournemouth.—Qualified Manager, not under 50 years of age, for a mixed business in a market town. Only those who require a permanency and whose references will bear the strictest investigation need apply. State references, salary required to "Neptune," 234/3, Office of this Paper.

HORLEY.—Assistant required for about three months. Apply by letter, stating full particulars and salary required (outdoors), to A. B. Higgs, Chemist-Optician, Horley, Surrey.

LONDON HOMŒOPATHIC HOSPITAL, GREAT ORMOND STREET, W.C.

APPLICATIONS are invited for the post of Dispenser (female).

Candidates must possess the qualification of the Pharmaceutical Society, and be from 25 to 35 years of age, and have had previous Hospital experience in a Voluntary London or Provincial General Hospital. Acquaintance with the methods of the British Homœopathic Pharmacopœia an advantage.

Applications, stating salary asked (tea only provided), with copies of not more than three recent testimonials, to be sent by letter to the Secretary at once.

EDWARD A. ATTWOOD, Secretary.

LONDON.—Qualified Manager wanted for branch business; middle-class brisk cash trade; must be a good Salesman and have a thorough knowledge of Window-dressing and Photography; a good progressive post for the right man. Apply, with full particulars as to experience, etc., to 236/35, Office of this Paper.

LONDON, S.E.—Assistant, unqualified, required immediately for N.H.I. and Counter; no Sunday or holiday duty; permanency to suitable man. Austins, Ltd., 1 Spa Mansions, Spa Road, Bermondsey, S.E.16.

LONDON, S.E.—Wanted, a qualified Senior Assistant (age about 30), also a Junior Assistant (age about 20), in a good-class Family and Dispensing business; outdoors; permanency; must be good Dispensers and Countermen and have knowledge of Photography. Apply, giving full particulars, age, height, experience, salary required, and when disengaged, to 236/13, Office of this Paper.

LONDON, S.E.—Wanted, a young, active, well-trained unqualified Assistant for Stock, Photo, and Counter; must be competent Salesman and had a good apprenticeship; good references necessary; progressive salary to a willing worker. "Business," 236/8, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, qualified lady for working-class business; Insurance Dispensing; hours, 10.30 to 1 and 5 to 8; no Sunday duty. Apply by letter only, stating age, salary required, and experience, to "Pharmacist," 7 Howe Street, Higher Broughton, Manchester.

MANCHESTER.—Qualified Assistant required, able to take charge if necessary; must be accustomed to quick Counter trade, with N.H.I. Apply, with full particulars of past experience, age, and salary required, to 235/4, Office of this Paper.

MANCHESTER.—Smart Salesman for high-class Perfumery and Toilet Business; must be energetic and alive. State, first letter, age, height, experience, salary, married or single, when disengaged. 230/19, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, immediately, qualified Branch Manager, also Junior; enterprising and capable men with first-class references required. Send copies of testimonials and usual particulars immediately to "A. A.," 236/12, Office of this Paper.

NORTHUMBERLAND.—Required, unqualified Assistant; single; good appearance; accustomed to N.H.I. work, Counter and Window-dressing. Give full particulars as to age, height, experience, salary, and enclose photo. 236/7, Office of this Paper.

SHEFFIELD.—Manager, qualified, for branch on Attercliffe Road; must be active; good Window-dresser; immediate; permanent. State age, salary, photograph to "E. T.," 407 Stanforth Road.

SHERINGHAM.—Wanted, for about four months, young unqualified Assistant, good Dispenser, for General and Photographic business. Apply, giving full particulars, age, experience, references and salary required (outdoors), to J. B. Gooch (W. H. Burrell & Co.), High Street, Sheringham, Norfolk.

SHREWSBURY.—Junior (outdoors); short hours; no extra or Sunday duty. Please give full particulars in first letter of age, height, salary required and where experience has been obtained; if possible enclose photo. A. Williams, Chemist, Shrewsbury.

SOMERSET.—£4 weekly. Competent and reliable Assistant of good address required immediately for high-class business; Counter, Windows and general routine; permanency; interview desired. Apply, with full particulars as to previous experience, references, etc., to 237/28, Office of this Paper.

TORQUAY.—Junior Unqualified Assistant (male), indoors, in good-class Dispensing Business. Apply, with full particulars, to James Newlyn, The Wellswood Pharmacy, 19 Tisham Road, Torquay.

PARISH OF WILLESDEN.

DISPENSER required at Park Royal Hospital, Acton Lane, Willesden; part-time officer (normal hours 9.30 a.m. to 1.30 p.m., but additional time must be given if the duties require it).

Candidates must possess the Minor qualification of the Pharmaceutical Society.

The person appointed will be required to give instructions to Probationer Nurses on Drugs and their uses.

Salary £2 5s. weekly (no bonus).

The appointment will be subject to the provisions of the Poor Law Officers' Superannuation Act.

Forms of application may be obtained by sending a stamped, addressed foolscap envelope to my office, as below, and must be returned to me not later than the first post on Monday, the 16th day of June, 1924.

By Order,

J. HUTTON HAYLOR,

Clerk to the Guardians.

Guardians' Offices,
359 High Road, Brondesbury, N.W.6.
June, 1924.

A FULLY qualified Pharmacist required by an Approved Institution under the N.H.I. Acts; normal hours, 9.30 to 12 and 5.30 to 8; no Sunday work; Wednesday evenings free. Applications, with copies of not more than three recent testimonials, stating age, married or single, salary required, and full particulars as to experience, etc., to Mr. G. H. Kirkup, 47 City Road, Cambridge.

A QUALIFIED Assistant required to take charge of branch; age 25-35; smart, energetic, and knowledge of Photography, and capable of working up business; excellent prospects and progressive position. State age, height, references and salary required, and enclose photo, to 236/30, Office of this Paper.

ALLSOP & QUILLER require an Assistant, chiefly for Dispensing. They also require a Junior Assistant (both males). Apply personally, or if by letter with full particulars, to A. W., 137 Sloane Street, London, S.W.1.

A SSISTANT, unqualified, 23-25; active business, Salesman and Window-dresser, Photographic experience. Salary required, references. Applications not answered after three days have been declined. Maries, Pharmacist, Waterloo, Liverpool.

A SSISTANT required; good all-round experience; young; good salary and commission. Apply, by letter, to 46/489, Office of this Paper.

A SSISTANT; unqualified; about 20; Cash Retail and N.H.I., some knowledge of Photography. Write, giving full particulars, references, and salary, and enclosing photo, to 236/24, Office of this Paper.

A SSISTANT; energetic and capable; Dispensing, Counter, Photographics. State age, salary, with usual references in first letter; enclose photo. "Midlands," 236/10, Office of this Paper.

B OOTS The Chemists have vacancies for experienced unqualified Retail Chemist Assistants. Apply, by letter, to Boots Pure Drug Co., Ltd., Station Street, Nottingham.

B RANCH Manager, qualified, required immediately; knowledge of Optics an advantage, but not essential. Apply, stating age, experience, and salary required, Colmans, Ltd., 161 Bury New Road, Manchester.

D ISPENSER.—Lady required for High Barnet, Hammett and East Ham districts; Counter experience an advantage. Apply to 46/487, Office of this Paper.

E NERGETIC Junior at once, capable management of small branch Drug Store; knowledge Photographic Dealing essential. Apply, with photo and particulars, 234/14, Office of this Paper.

E XPERIENCED all-round Assistant required for season; well up in D. and P. work; no Sunday or holiday duty; outdoors. Please state fullest particulars, age, experience, salary required in first letter, giving references. Frederick Liner, Photographic Chemist, Gt. Yarmouth.

E XPERIENCED, conscientious Assistant wanted; best references required. Full particulars, salary, photo. Lloyd, Chemist, 109 High Street, Cheltenham. Not answered 3 days declined with thanks.

F. M. RIMMINGTON & SON, LTD., 9 Bridge Street, Bradford, have a vacancy for a Junior Assistant; good Dispensing and Counter experience essential. State full particulars and salary required (outdoors).

G OOD unqualified Assistant required. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

J UNIOR Assistant (male) required, outdoor, for Dispensing, Counter and Photographic business. Full particulars to Strachan, Pharmaceutical Chemist, Tavistock Street, Bedford.

J UNIOR, unqualified, for Light Retail and Dispensing (N.H.I.); not far from Birmingham; permanency; state salary required. 235/7, Office of this Paper.

J UNIOR or Improver wanted for business in country town; no heavy trade; Photo. knowledge an advantage; outdoors; permanent if suitable. State age, experience, and salary required to Forster, Chemist, Bewdley, Worcs.

J UNIOR Assistant (outdoors) required immediately for Dispensing and good-class Retail. State age, height, experience, salary required, also references, to Rayner & Son, Pharmacists, Station Parade, Gerrards Cross, Bucks.

J UNIOR Assistant required; outdoor; good Dispenser and with knowledge of Agricultural trade. Particulars, references, and salary required to Allen & Neale, Chemists, King's Lynn.

J UNIOR Assistant or Improver; good-class Pharmacy; Dispensing, Photography, Counter work. Full particulars and salary to Whitehead, 41 Woodgrange Road, Forest Gate, London.

LOCUM, qualified, for about six weeks from early part of July; state terms, reference, etc. Apply F. H. Newton, 35 Catherine Street, Salisbury.

LOCUM, qualified, wanted from June 27 to July 19 inclusive. Apply, stating terms, age and references, to Secretary, Barrow Co-operative Society, Ltd., Ahhey Rd., Barrow-in-Furness.

LOCUM required for Leeds suburb, June 27 to July 12 (dates inclusive). Terms and particulars to J. Smith, Chemist, 213 Harehills Lane, Leeds.

LOCUM required, Chemist (Minor qualification), lady or gentleman, to take charge of a small business from June 23 to July 5; light work; to live out; state terms. J. T. Egginton, Pharmacist, 12 Church Street, Lower Gornal, near Dudley.

MANAGER.—Energetic, young, qualified Assistant required at once; one willing to adapt himself to Store methods of trading and able to take full charge. Apply, with full particulars as to salary, experience, etc., to "Pittrater," 236/36, Office of this Paper.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

APPLICATIONS are invited for the post of Librarian and Curator of the Museum. Applicants must not be over 35 years of age, and preference will be given to one holding the qualification of Pharmacist or Pharmaceutical Chemist. The successful candidate will be appointed for two years on probation. Salary £350, rising by annual increments of £50 to £500. Applications must contain full particulars of age, qualifications and experience, must be accompanied by copies of three testimonials, and must be received not later than the first post on Monday, June 16. Intending candidates should apply by letter, marked "Librarian and Curator," and addressed to the Secretary, Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C.1.

QUALIFIED Assistant wanted for quick Retail, Dispensing and Photographic business; young and active; must be well up in Photography and good Window-dresser. Marshall & Co., 5 Pimlico Road, S.W.1.

QUALIFIED Assistant required, capable of branch management; must have good references. State full particulars and salary required. Write, Greenwood, Chemist, Patricroft, Manchester.

QUALIFIED Assistant, male, about 26, capable of taking charge; Photographic essential. State age, salary, and references, enclose photo if possible. Edwards, Chemist, Egerton Road, Blackpool.

QUALIFIED man, not under 45 years of age, to assist semi-retired manager, whom he would eventually succeed, for a good-class mixed business in the South of England; only those who desire a permanency and whose references will bear the strictest investigation need apply. State previous experience and salary required to H. Wilson, F.I.C., 146 High Street, Southampton.

QUALIFIED Manager, not under 35, for country business; thoroughly capable and trustworthy; good salary and commission; live in optional; Bristol district. Apply 237/16, Office of this Paper.

SMART Assistant or Improver, male or female; state age and salary required; permanency. Henschley's, Chemists, Hythe, Kent.

TEMPORARY Junior Assistant for one month from July 17; with Photographic experience preferred. Apply, stating terms and usual particulars, to W. Marchant, 209 Barton Street, Gloucester.

TEMPORARY Junior Assistant, 23-25, unqualified, for July, August and September for Counter. Veale, 122 Seaside Road, Eastbourne.

UNQUALIFIED Assistant for the season, outdoors, single, for Stock and Counter; knowledge of Photography essential. State age, height, references, and salary required. Terrington, Pharmacist, Herne Bay.

UNQUALIFIED Assistant at once, age 24 to 30; capable Dispenser, Window-dresser, Photographic and Counter; splendid opportunity for right man to learn Agricultural and Horticultural Pharmacy; permanency if suitable. Photo, references, and salary required to Howard, Central Pharmacy, Frome, Somerset.

WANTED, Senior Assistant (male), young; Window-dresser; understand Photography; good Salesman; Cash Counter trade with N.H.I.; salary £4 (outdoors). Full particulars and references, 234/2, Office of this Paper.

WANTED, immediately, reliable Assistant with knowledge of Photography; qualified or unqualified; full particulars first letter. T. J. Badgett, Chemist, Clarence Place, Newport, Mon.

WANTED, young qualified man, age 26-30, for management; must be of good ability and address, and desirous of acquiring business ideas and with a view to progress. Apply by letter to 46/488, Office of this Paper.

YOUNG lady Assistant wanted for about 10 weeks or season; must have good knowledge of Photographic and General Retail. Apply, stating experience, references, and salary required, and enclosing photo if possible, to Wyatt, Pier Plain, Gorleston-on-Sea.

YOUNG lady Assistant, unqualified, to help with N.H.I. Dispensing, Counter, etc.; business not far from the Crystal Palace. State salary required (outdoors), send photo if possible, to "Iodell," 46/490, Office of this Paper.

WHOLESALE.

AN old-established London Perfumery House require a first-class practical Perfumer; must be thoroughly experienced in manufacture of highest-class Perfumes and Toilet Preparations. Applicants must give (in confidence) full details of experience and salary required. 46/486, Office of this Paper.

OPPORTUNITY FOR LIVE YOUNG MEN.

We need a few young men with a knowledge of Pharmacy to tackle a difficult job. They will represent a world-famous organisation marketing a Proprietary Food. They will be required to work anywhere in the United Kingdom. The vacancy calls for great initiative and enthusiasm, and the prospects are unlimited.

If you feel you can make good, give full particulars in strict confidence, in your first letter, age, education, experience, salary required and when at liberty. 46/493, Office of this Paper.

PHARMACEUTICAL Chemist required in a Wholesale Laboratory. Applicants will be required to devote part time to checking Poisons at Counter, signing Dangerous Drug register, etc. Applications, which will be treated in strict confidence, must state experience and salary required, to "Pharmacy," 235/350, Office of this Paper.

REPRESENTATIVES of good address and appearance, one for Ireland, one for the Midlands, to call on Medical Men, Pharmacists, Hospitals and Institutions; must be good salesmen and propagandists. Write "Medical," c/o Tayler's, Devon House, Gt. Portland Street, London, W.1.

REPRESENTATIVE on commission basis required for Lancashire; liberal commission to good man with an assured connection with Chemists; good Proprietary article and Heavy Chemicals. 46/482, Office of this Paper.

REPRESENTATIVE, ex-Chemist preferred, wanted for the Midlands and West of England by Manufacturing Chemists specialising in Tube Goods for the Chemist. A first-class man is required and will be paid well (salary and expenses). Other districts available. 236/27, Office of this Paper.

SHIPPING Clerk (young) required in Colonial Merchant's Office; one with some knowledge of the Drug and Chemical trade preferred. Apply, stating age, experience, and salary required, "Colonial," 46/479, Office of this Paper.

WORKS CHEMIST.

A FIRM of Manufacturing Perfumers and Toilet Soap Makers (non-Combine) require a first-class man, with thorough knowledge of Perfumery and Toilet Articles; must have had sound experience. Apply, in confidence, giving fullest particulars and salary expected, 46/485, Office of this Paper.

[COLONIAL, INDIAN AND FOREIGN.]

TABLET MAKER.—Young man, thoroughly understanding the rudiments of his craft and with practical experience, required as Assistant in a Colonial Laboratory; passage paid out; three years' agreement; good prospects; healthy climate. Apply, by letter only, to Lennon, 14 Lafone Street, London, S.E.1.

WANTED, for the Far East, qualified Assistant; first-class training essential; some Wholesale experience preferred; age not over 30; single; 4 years' agreement; passage paid out and home. Apply "Export," 46/480, Office of this Paper.

COLONIAL PHARMACY.—An English firm of Chemists require an Assistant early in August, with the qualification of the Pharmaceutical Society of Great Britain; salary £350 a year, quarters and servant allowance; two years' engagement; first-class passage out and home; applicants must not be over 35 and under 27, must be unmarried, and of good address; a knowledge of Optical work would be preferred. Write, giving exact age and experience, and state when disengaged; photograph essential. Engagement will be made in this country; travelling expenses paid for interview. 46/477, Office of this Paper.

SHANGHAI MUNICIPAL COUNCIL. PUBLIC HEALTH DEPARTMENT. ASSISTANT PHARMACIST.

AN Assistant Pharmacist is required in the Public Health Department of the Shanghai Municipal Council. Candidates must be under 30 years of age and unmarried. The Minor qualification of the Pharmaceutical Society is essential. The selected candidate will be required to undertake Dispensing of Medicines, Preparation of Galenicals, etc., as required by the Municipal Hospitals and Municipal Staff. Salary, Taels 350 per mensem, under a three years' agreement, which is renewable at a higher salary in the event of satisfactory services. First class passage is granted, with half pay during voyage. Eight months' leave is granted on full pay, with passage paid, after every period of five years' service in Shanghai. Free medical attendance is provided, and the employee participates in the benefits of a Superannuation Fund. A tael of the present rate of exchange equals 3s. 2d. Exchange is, however, subject to fluctuation.

Particulars of the appointment and also full details as to the benefits enjoyed by municipal employees under their terms of service and as to cost of living, etc., may be obtained from the Council's Agents. Applications, in candidate's own handwriting, with full information as to qualifications and experience, etc., accompanied by at least three recent testimonials (copies only) and endorsed "Pharmacist" on the cover, should be forwarded to

JOHN POOK & CO.,

Agents for the Municipal Council of Shanghai,
68 Fenchurch Street, London, E.C.3.

May, 1924.

SITUATIONS WANTED.

RETAIL.

[HOME.]

A.A.—MISS GRACE RENNIE, Pharmacist, has free dates, August and September; Locum, Hospital; highly recommended. 61 Church Road, Moseley, Birmingham.

A RECENT TESTIMONIAL: "Assiduous, energetic, keen, trustworthy, clever Salesman, Display Artist, capable of increasing any business." Qualified; 44; bad charge of considerable staff, multiple shops and private; disengaged. "Squareman," c/o Mr. J. Burgess, Platt Bridge, Eccleashall, Staffs.

A THOROUGHLY capable and experienced Assistant, unqualified, 33, requires post, temporary or permanent. B., 24 Mead Plat, Willesden.

A CTIVE worker; thoroughly efficient; successful Manager; any district; disengaged; unqualified; 46. "Chemist," 1 Kingsdown Road, Holloway, N.19.

A N Assistant; London experience; part-time, week-ends. "S. G.," 25 Rochester Road, N.W.1.

A S Locum; thoroughly competent, with highest recommendation; abstainer; disengaged June 21; unqualified. H., 367 High Road, Ilford.

A SSISTANT; quick and accurate Dispenser; good Counter-man; well up in Amateur Photography. "Velox," Northumberland House, St. Anne's Road, Malvern.

A SSISTANT, unqualified, desires situation in good-class Pharmacy; London or suburbs; 7½ years' experience; tall; age 44; disengaged June 28; will interview. Hunt, 4 Buckingham Road, Wealdstone, Harrow.

A SSISTANT; unqualified; 34; good experience, Dispensing, Counter and Stock. Searle, 2 Carlisle Avenue, Plymouth.

A SSISTANT; age 34; height 5 ft. 7½ in.; well up Retail, Dispensing, and Photographic; first-class Counterman and Window-dresser; capable taking full charge; permanency or Locum. "Vim," 9 Avondale Road, Eastbourne.

DOCTOR'S DISPENSER.—Lady, with 13 years' good experience, desires position as Dispenser and Book-keeper to Medical man in London suburb; has Hall qualification and is highly recommended. "Cortex," 46/483, Office of this Paper.

EMPLOYER recommends unqualified lady Assistant; general knowledge of Retail Pharmacy; good Saleswoman; freed if required. C. Flack, 214 Droop Street, Queen's Park, W.10.

FEMALE; unqualified; general experience good-class shops; little Dispensing; good references. 236/15, Office of this Paper.

JUNIOR, 22, seeks post; good general experience, Counter, Dispensing, etc.; season engagement considered. 235/14, Office of this Paper.

LADY Dispenser (Hall) requires post Doctor, Hospital or Institution; over 2 years' experience; permanent or temporary. Allanson, Mildmay House, 26 Holmesdale Gardens, Hastings, Sussex.

LADY Dispenser (Hall) desires post; Hospital or Retail; 5 years' experience; excellent testimonials; London or South Coast preferred. 237/30, Office of this Paper.

LADY Dispenser (Hall), London Dispensing and Counter experience, desires permanent or locum work; Birmingham district preferred, but not essential. 237/25, Office of this Paper.

LOCUM; experienced and fully qualified; Scotsman; abstainer; disengaged July-September. Write "A.," 39 Argyle Gardens, Upminster, Essex.

LOCUM, qualified, varied experience, booking engagements July 14 onwards. Wraith, West Crescent, Darlington.

LOCUM or permanency; Minor; disengaged; good Retail and Dispensing experience; elderly. P. Smith, 127 Capel Road, Forest Gate, E.7.

LOCUM.—Lady Dispenser (Hall); experienced; free June and July; country preferred. West, 47 Vicarage Road, Leyton, London.

MANAGER or Locum; qualified; last position 8 years; all-round experience; moderate terms. "R.," 14 Mayes Road, Wood Green.

MANAGER, qualified, over 20 years' experience in all branches of good-class Retail and Dispensing, with Photography, requires post in London or near, with living accommodation. 237/20, Office of this Paper.

PHARMACIST (Minor, 1912) seeks position as Manager; good all-round experience. Please apply "Desireux," 23 Broadley Terrace, W.1.

QUALIFIED; elderly; Hospital or Institution; 11 years' Hospital experience. "Chelsea," 22 Bramerton Street, Chelsea, S.W.3.

QUALIFIED; Manager or Locum; disengaged; 45; married; all-round experience, London, Continental and provincial. Leek, The Ferns, Uttroxteter, Staffs.

QUALIFIED lady Dispenser, experienced, requires post with Doctor. O. Berry, "Hazelbank," Boxmoor, Herts.

QUALIFIED, age 25, single, 10 years' first-class experience, including 5 years' West End, seeks permanency or locum; West End preferred, but not essential; smart appearance and hard worker; able to take charge; highest references. Write 236/21, Office of this Paper.

QUALIFIED; disengaged; 38; married; permanency; good experience; Dispensing, Photography, Counter; London preferred. "C.," 237/2, Office of this Paper.

QUALIFIED (Major), 23, desires permanency; eight years' experience; Photography; free 23rd; not afraid of work. 237/18, Office of this Paper.

REGISTERED elderly Snper. Prescriber, small branch, Manchester district; good testimonials; short hours; light; moderate salary. 142 Castle Street, Grimsby.

RUSSIAN Chemist, understanding English, qualified (diploma Lausanne University), experienced, several years in Switzerland, 16 years' practice, seeks position in England to acquire thorough knowledge of English; would go to Colonies if good conditions offered. Apply to Mr. Paris, 79 Prélaz Cottage, Lausanne, Suisse.

TO Doctors and Chemists.—Experienced Dispenser; male; middle-aged; medical curriculum; highest references. "Dispenser," 114 Bow Road, Bow, E.3.

UNQUALIFIED, 38, married, active, fifteen years Doctor's Dispenser, three years Tablet making (Granulator during war), handyman generally, willing, excellent refs., wants work at once; help with anything; knows Photography; wife help if necessary; domesticated. "York," 124 York Road, S.E.1.

UNQUALIFIED (male) requires temporary post, for about three months. Apply 236/32, Office of this Paper.

YOUNG lady requires post in London; competent Book-keeper, Secretary, Typing; excellent references; interview. Inchley, Market Place, Uppingham.

WHOLESALE.

AT HOME OR ABROAD.—Ex-ranker officer desires position; accustomed to Secretarial duties, care of Medical, Surgical and other Stores, Dispensing and Accounts; especially qualified for post with Doctor, Hospital or Sanatorium; good organiser and thoroughly recommended. M.L. 3841/21, Office of this Paper.

ASSISTANT Chemist, 23; 3 years' technical training, London University; B.Sc. (Chemistry); willing to take any post in keeping with qualifications. M.L. 5673/23, Office of this Paper.

ASSISTANT, capable and reliable, experienced in Laboratory, Wet and Dry Counter, Patents, Sundries, and Checker, seeks situation any department, anywhere; age 28; single. 233/5, Office of this Paper.

CHEMICAL Engineering, B.Sc. (London), 28; some knowledge of French; good experience as Chemist-in-Charge of Alcohol and Solvent Receiving Plants, also as Research Chemist in Distillers' Company. M.L. 5029/23, Office of this Paper.

CHEMICAL FOODS OR PATENTS.—Ex-officer, 29, educated Public School and University, some French, good Medical and Dental training, connection and experience London and suburbs, desires post specially with Patent or Chemical Food Manufacturers. M.L. 3432/23, Office of this Paper.

CHEMIST, good connection W. England, N. and S. Wales, Chemists and Professional men, is open to represent good House on salary, expenses and commission. Please apply "Voyageur," 23 Broadley Terrace, W.1.

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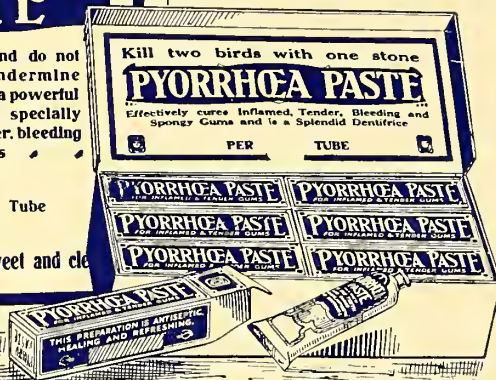
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